Citations of Ivaylo Christov

Christov II (2004) Real time electrocardiogram QRS detection using combined adaptive threshold, Biomedical Engineering Online, **3**, 28, http://www.biomedical-engineering-online.com/content/3/1/28

1. *-Zhipeng C, Kan L, Jianqing L (2016) Low-power wireless micro ambulatory electrocardiogram node. J. of Biomedical Engineering, Vol. 33, (1), pp. 8-13, http://open.oriprobe.com/articles/47655808/Low_power_Wireless_Micro_Ambulatory_Electrocardiog.htm*
2. *-Chelotti J, Vanrell S, Milone D, Utsumi S, Galli J, Rufiner L, Giovanini L (2016) A real-time algorithm for acoustic monitoring of ingestive behavior of grazing cattle Computers and Electronics in Agriculture, 127, pp. 64-75, http://www.sciencedirect.com/science/article/pii/S0168169916303076*
3. *-Jain SK, Bhaumik B (2016) An energy efficient application specific integrated circuit for electrocardiogram feature detection and its potential for ambulatory cardiovascular disease detection. Healthcare Technology Letters, 3, (1), pp. 77-84, http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4898010/ .*
4. *-Rakshit M, Panigrahy D, Sahu PK (2016) An improved method for R-peak detection by using Shannon energy envelope. Sādhanā, Indian Academy of Sciences, 9 pages, http://link.springer.com/article/10.1007/s12046-016-0485-8 .*
5. *-Shapira-Lichter I, Klovatch I, Nathan D, Oren N, Hendler T (2016) Task-specific aspects of goal-directed word generation identified via simultaneous EEG–FMRI. J. of Cognitive Neuroscience. 13 pages, DOI: 10.1162/JOCN_A_00976*
6. *-Dugarte N, Álvarez A, Balacco J, Mercado G, Gonzalez A, Dugarte E, Olivares A (2016) High efficiency processing for reduced amplitude zones detection in the HRECG signal. Journal of Physics: Conference Series 705, 10 pages, DOI:10.1088/1742-6596/705/1/012041*
7. *-Liu NT, Salinas J (2016) Peak detection system and method for calculation of signal-derived metrics US Patent No. 20,160,045,117, code A1.*
8. *-Rafaelle Giordano (2016). Metodi per l'integrazione dell'informazione EEG nell'analisi fMRI in resting state. MS thesis, Universit`a degli Studi di Padova, 100 pages, http://tesi.cab.unipd.it/51483/1/giordano_raffaele_tesi.pdf*
9. *-Kim J, Shin H (2016) Simple and robust realtime QRS detection algorithm based on spatiotemporal characteristic of the QRS complex. Plos One, 11, (3), DOI: 10.1371/journal.pone.0150144*
10. *-Poulsen C, Wakeman DG, Atefi SR, Luu P, Konyn A, Bonmassar G (2016) Polymer thick film technology for improved simultaneous dEEG/MRI recording: Safety and MRI data quality. Magnetic Resonans in Medicine, DOI: 10.1002/mrm.26116*
11. *-Sanjeev Kumar Jain, Basabi Bhaumik (2016) An Energy efficient application specific integrated circuit for electrocardiogram feature detection and its potential for ambulatory cardiovascr disease detection. Healthcare Technology Letters, 8 pages, http://digital-library.theiet.org/content/journals/10.1049/htl.2015.0030*
12. *-Hugeng Hugeng, Resky Kurniawan (2016) Development of the 'HEALTHCOR' system as a cardiac disorders symptoms detector using an expert system based on Arduino Uno. Int. J. of Technology, 1, pp. 78-87, ISSN 2086-9614*
13. *-Anikó Vágner (2016) Intelligent data processing and its applications. PhD Thesis, Debreceni, 121 pages, https://dea.lib.unideb.hu/dea/bitstream/handle/2437/221312/ertekezes.pdf?*
14. *-Van der Meer, Pampel A, Van Someren E, at al. (2016) Carbon-wire loop based artifact correction outperforms post-processing EEG/fMRI corrections—A validation of a real-time simultaneous EEG/fMRI correction method. NeuroImage, 125, pp. 880-894*
15. *- Panigrahy D, Rakshit M, Sahu PK (2016) FPGA implementation of heart rate monitoring system. J. of Medical Sistems, 40, pp. 40-49. DOI 10.1007/s10916-015-0410-4*
16. *-Wu X, Wu T, Zhan Z, Yao L, Wen X (2016). A real-time method to reduce ballistocardiogram artifacts from EEG during fMRI based on optimal basis sets (OBS). Computer Methods and Programs in Biomedicine, 127, pp. 114-125.*
17. *- Bourgeois T, Delezoide A, Zhao W, et al (2016) Safety study of Ciprofloxacin in newborn mice. Regulatory Toxicology and Pharmacology, doi:10.1016/j.yrtph.2015.11.002*
18. *-Mahajan R, Bansal D (2015). Identification of heart beat abnormality using heart rate and power spectral analysis of ECG. Int. Conf. on Soft Computing Techniques and Implementations, 8-10 Oct., Faridabad, India, pp. 131-135.*
19. *-Zajc M, Plesnik E (2015) Euclidean distance measure for the electrocardiogram fiducial points detection in the phase-space formed with the derivative rule. 5th Int. Conf. on Wireless Mobile Communication and Healthcare, pp. 283-286.*
20. *-Bhagyashree Patil, Seema Rajput, Durgaprasad Kamat, Vijay Wadhai (2015) Embedded hardware for online monitoring of ECG signal. Int. J. Computer Science and Network, 4, (5), pp. 771-779*
21. *-Sunny Gogoi, Hemashree Bordoloi (2015) A system design approach to extract and analyse ECG signal using Labview and Matlab. Global J. of Engineering Science and Researches, 2, (6), pp. 88-94.*
22. *-Tuboly G, Kozmann IG (2015) Atrial fibrillation detection based on Poincaré plot of RR intervals. Int. Conf. MEASUREMENT 2015, Smolenice, Slovakia, pp. 89-92, http://www.measurement.sk/M2015/proceedings/089_Tuboly-1.pdf*

23. -Loja J, Velecela E, Palacio-Baus K, Astudillo D, Medina R, Wong S (2015) CinC Challenge 2013: comparing three algorithms to extract fetal ECG. 11th Int. Symp. on Medical Information Processing and Analysis, http://proceedings.spiedigitallibrary.org/proceeding.aspx?articleid=2479348 .
24. - Bart Hoeben, Soo Kng Teo, Bo Yang, Yi Su (2015) Robust off-line heartbeat detection using ECG and pressure-signals, Physiological Measurement, 37, (1), pp.41-51
25. -Ahlawat A, Malik S (2015). Review on "A SVM adaptive approach for venticular disease classification. Int. J. of Enhanced Research in Science Technology & Engineering, 4, (6), pp 612-615, ISSN: 2319-7463, http://www.erpublications.com/uploaded_files/download/download_27_07_2015_19_44_15.pdf
26. -Van der Meer J, Pampel A, Van Someren E, Ramautar J, Van der Werf Y, Gomez-Herrero G, Lepsien J, Hellrung L, Hinrichs H, Möller H, Walter M (2015) Carbon-wire loop based artifact correction outperforms post-processing EEG/fMRI corrections—A validation of a real-time simultaneous EEG/fMRI correction method. NeuroImage, doi:10.1016/j.neuroimage.2015.10.064
27. -Jekova I, Bortolan G (2015) Personal verification/identification via analysis of the peripheral ECG leads. Influence of the personal health status on the accuracy, 21 pages, file:///C:/Users/Ivaylo/Downloads/135676%20(3).pdf
28. -Zhang Yue, Wang Zhao (2015) Research on intelligent algorithm for detecting ECG R waves. Int. Conf on Electronics Information and Emergency Communication, 14-16 May, Beijing, China, pp. 47-50.
29. - Hugo Plácido da Silva (2015) Physiological Computing: New Methods and Biometric Applications. PhD thesis, Instituto Superior Técnico, Universidade de Lisboa, 128 pages, https://www.researchgate.net/profile/Hugo_Placido_Da_Silva/publication/281651613_Physiological_Computing_New_Methods_and_Biometric_Applications/links/55f3231a08ae63926cf23258.pdf?inViewer=true&disableCoverPage=true&origin=publication_detail
30. -Chęć A, Olczak D, Fernandes T, Ferreira HA (2015) Physiological computing gaming: Use of electrocardiogram as an input for video gaming. Conf. on Physiological Computing Systems, 11-13 February, Loire Valley; France, pp. 157-163
31. -Qingkun Li (2015) An energy-efficient hardware system for robust and reliable heart rate monitoring. MS thesis. University of Illinois, Urbana, 112 pages, https://www.ideals.illinois.edu/bitstream/handle/2142/78330/Li_Qingkun.pdf?sequence=1
32. -Zhu Xiaojun, Yang Hongguan (2015) A dual-lead ECG QRS wave fusion detection algorithm. Chinese Journal of Medical Physics, 1,
33. - Gutierrez-Rivas R, Garcia J, Marnane W, Hernandez A (2015) Novel real-time low-complexity QRS complex detector based on adaptive thresholding. Sensors, 15, 10, pp. 6036-6043
34. -Castells-Rufas D, Carrabina J (2015) Simple real-time QRS detector with the MaMeMi filter. Biomedical Signal Processing and Control, 21, pp. 137-145.
35. -Tadeáš Odstrčilík (2015) Analýza a zpracování EKG. MS thesis, Czech Technical University in Prague. 78 pages, https://dspace.cvut.cz/bitstream/handle/10467/61233/F3-DP-2015-Odstrcilik-Tadeas-odstrtad_DP_2015.pdf?sequence=1&isAllowed=y
36. -Merah M, Abdelmalik TA, Larbi BH (2015) R-peaks detection based on stationary wavelet transform. Computer Methods and Programs in Biomedicine, 121, (3), pp. 149-160
37. -Cornforth DJ, Koenig A, Riener R, August A, Khandoker AH, Karmakar C, Palaniswami M, Jelinek HF (2015) The role of serious games in robot exoskeleton-assisted rehabilitation of stroke patients. Serious Games Analytics Advances in Game-Based Learning, pp. 233-254
38. -Feng Li, Zhiqi Wei, Ming Li (2015) The auto-detection and diagnose of the mobile electrocardiogram. J. of Medical Imaging and Health Informatics, 5, (4), pp.841-847
39. -Petra Novotna (2015) Detekce komplexů QRS v dlouhých elektrogramech. BSc thesis, Brno University of Technology, 55 pages, https://dspace.vutbr.cz/xmlui/bitstream/handle/11012/40721/Petra_Novotna_BP.pdf?sequence=2
40. -Dissanayaka C, Ben-Simon E, Gruberger M, Maron-Katz A, Sharon H, Hendler T, Cvetkovic D (2015) Comparison between human awake, meditation and drowsiness EEG activities based on directed transfer function and MVDR coherence methods. Medical & Biological Engineering & Computing, http://link.springer.com/article/10.1007/s11517-015-1272-0
41. -da Silva HP, Carreiras C, Lourenço A, Fred A, das Neves RC, Ferreira R. (2015). Off-the-person electrocardiography: performance assessment and clinical correlation. Health and Technology, pp. 1-10.
42. -Richard George Boulton (2015) The electrophysiology of neonatal abstinence syndrome. PhD thesis, University of Glasgow, UK, 252 pages, http://theses.gla.ac.uk/5909/1/2015BoultonPhd.pdf
43. -Mi-Hye Song, Sung-Pil Cho, Wonky Kim, Kyoung-Joung Lee (2015) New real-time heartbeat detection method using the atngle of a single-lead electrocardiogram. Computers in Biology and Medicine, 59, pp. 73-79
44. -van Lien R, Neijts M, Willemsen G, de Geus EJC (2015) Ambulatory measurement of the ECG T-wave amplitude. Psychophysiology, 52, (2), pp. 225-237
45. -Perlaki G, Orsi G, Schwarcz A, et al. (2015) Pain-related autonomic response is modulated by the medial prefrontal cortex: An ECG-fMRI study in men. J. of Neurological Sciences, 349, pp. 202-208

46. ✍-Iannotti GR, Pittau F, Michel CM, Vulliemoz S, Grouiller F (2015) Pulse artifact detection in simultaneous EEG–fMRI recording based on EEG map topography. Brain Topography, 28, (1), pp. 21-32
47. ✍-Стоян Танев (2015) Продължително наблюдение на важни параметри на сърдечно-съдовата система в екстремни условия. Дисертация за "Доктор". Институт за космически изследвания и технологии –БАН, http://www.space.bas.bg/BG/Procedura%20Tanev/Avtoreferat_Stoyan%20Tanev.pdf
48. ✍-van Lien R (2014) Improving the methodology for non-invasive autonomic nervous system recording and its implementation in behavioral research. Phd thesis, Vrije Universiteit Amsterdam, 256 pages, http://dare.ubvu.vu.nl/bitstream/handle/1871/50299/end_matter.pdf?
49. ✍-Francisco Marques (2014) ECG biometrics. A dissimilarity representation approach MS thesis, Tecnico Lisboa, 58 pages, https://fenix.tecnico.ulisboa.pt/downloadFile/563345090413061/dissertacao.pdf
50. ✍-Πάνη Παναγιώτα του Θωμά (2014) Αφαίρεση θορύβου από Ηλεκτροκαρδιογράφημα. Bachelor thesis, Πάτρα, Ιουνιοσ, 106 pages, http://nemertes.lis.upatras.gr/jspui/bitstream/10889/8611/1/Nimertis_Pani%28ele%29.pdf
51. ✍-Liao YJ, Na R-XT, Rayside D (2014) Accurate ECG R-peak detection for telemedicine. IEEE Canada Intern. Humanitarian Technology Conf. 1-4 June, Montreal; Canada
52. ✍-Yi Ming, Yu Lei, Wang Ji-Ping, Fang Qiang (2014) Severe arrhythmia classification methodology for mobile devices. Computer Simulation, 37, (7), http://d.wanfangdata.com.cn/periodical_jsjfz201407055.aspx
53. ✍-Choi Minho, Jeong Jae Jin, Kim Sang Wo (2014) Motion noise reduction method for a noncontact electrocardiogram sensor in a chair. IEEE Conf. on Biomedical Engineering and Sciences, 8-10 Dec., Kuala Lumpur, Malaysia, pp. 938-941.
54. ✍-Srivastava P, Mehra R (2014) FIR filter design analysis for power line interference in ECG signals. Int. J. for Innovative Research in Science & Technology, 1, (6), pp. 198-201.
55. ✍-Bhoi AK, Sherpa KS (2014) QRS complex detection and analysis of cardiovascular abnormalities: A review. Int. J.BioAutomation, 13, (3), pp. 181-194.
56. ✍- Dissanayaka C, Ben-Simon E, Gruberger M, Maron-Katz A, Hendler T, Chaparro-Vargas R, Cvetkovic D (2014) Information flow and coherence of EEG during awake, meditation and drowsiness. IEEE 36th Annual Int. Conf. of the Engineering in Medicine and Biology Society, 26-30 Aug., Chicago, USA, pp. 5446-5449
57. ✍-Ferdousy R., Aditya SK (2014). Removing gradient and ballistocardiographic artifacts from EEG using FMRIB toolox. Int. J. of Innovation and Applied Studies, 8, (3), pp. 1204-1212, ISSN 2028-9324, http://www.issr-journals.org/xplore/ijias/IJIAS-14-254-03.pdf
58. ✍-Koichi Takeuchi, Ken Kiyono, Hiroaki Sugiyama, Ryutaro Shirahama, Yasuyuki Suzuki, Taishin Nomura, (2014) Detection of sleep apnea syndrome for atrial fibrilation patients using ECG signal. J. of Japanese Society for Medical and Biological Engineering, pp. 394-395, https://www.jstage.jst.go.jp/article/jsmbe/52/Supplement/52_O-394/_pdf
59. ✍-Pais CM, Rufiner HL (2014) Wavelet packet and matched filter inspired QRS detector. Congreso Latinoamericano de Ingenieria Biomedica, pp 403-406, http://fich.unl.edu.ar/sinc/sinc-publications/2014/PR14/sinc_PR14.pdf
60. ✍-Bo Yang, Soo Kng Teo, Hoeben B, Monterola C, Yi Su (2014) Robust identification of heartbeats with blood pressure signals and noise detection. Computing in Cardiology, 40, http://www.cinc.org/2014/pre-prints/162-200.pdf
61. ✍- Yun Hong Noh, Do Un Jeong (2014) Implementation of a data packet generator using pattern matching for wearable ECG monitoring systems. Sensors, 14, pp. 12623-12639
62. ✍- Plesnik E, Malgina O, Tasic JF, Tomazic S, Zajc M (2014) Detection and delineation of the electrocardiogram QRS-complexes from phase portraits. Experimental & Clinical Cardiol, 20, (8), pp. 2980-2989
63. ✍-Wikström DJV (2014) Musical composition by regressional mapping of physiological responses to acoustic features. Int. Conf. on New Interfaces for Musical Expression, 30 June – 3 July, London, UK, pp. 549 – 552.
64. ✍-Hopenfeld B (2014) Sinus rhythm heart rate estimation in high noise environments by application of a priori RR interval statistics. Journal of Medical Engineering & Technology, 11 pages, doi: 10.3109/03091902.2014.932857
65. ✍-Casson AJ (2014) Performance of wrist based electrocardiography with conventional ECG analysis algorithms. Conf. of the European Study Group on Cardiovascular Oscillations, 25-28 May, Trento, Italy, pp. 11-12.
66. ✍-Neijts M, Van Lien R, Kupper N, Boomsma D, Willemsen G, de Geus EJC (2014) Heritability of cardiac vagal control in 24-h heart rate variability recordings: Influence of ceiling effects at low heart rates. Psychophysiology, 51, pp. 1023-1036.
67. ✍-Bouaziz F, Boutana D, Benidir M (2014) Multiresolution wavelet-based QRS complex detection algorithm suited to several abnormal morphologies. IET Signal Processing, online, 8, (7), pp. 774-782
68. ✍-Zidelmal Z, Amirou A, Ould-Abdeslam D, Moukadem A, Dieterlen A (2014) QRS detection using S-transform and Shannon energy. Computer Methods and Programs in Biomedicine, 116, (1), pp. 1-9.
69. ✍-Shang Y, Lei S.-S (2014) QRS waves detection algorithm based on positive-negative adaptive threshold method. Journal of Beijing Institute of Technology (English Edition), 23, (1), pp. 63-66
70. ✍-da Silva HP, Lourenço A, Fred A, Martins R (2014) BIT: Biosignal Igniter Toolkit. Computer Methods and Programs in Biomedicine, 30 pages, http://www.sciencedirect.com/science/article/pii/S0169260714000984

71. ✍-Ramakrishnan A, Prathosh AP, Ananthapadmanabha T (2014) Threshold-independent QRS detection using the dynamic Plosion index. IEEE Signal Processing Letters, 21, (5), pp. 554-558.
72. ✍-Oweis RJ, Al-Tabbaa BO (2014) QRS detection and heart rate variability analysis: A survey. Biomedical Science and Engineering, 2, (1), pp. 13-34
73. ✍-Wieser M, Gisler S, Sarabadani A, Ruest RM, Buetler L, Vallery H, Klamroth-Marganska V, Hund-Georgiadis M, Felder M, Schoenberger JL, Gutknecht C, Riener R (2014) Cardiovascular control and stabilization via inclination and mobilization during bed rest. Medical & Biological Engineering & Computing, 52, (1), pp. 53-64.
74. ✍-Elgendi M, Eskofier B, Dokos S, Abbott D (2014) Revisiting QRS detection methodologies for portable, wearable, battery-operated, and wireless ECG systems.PLoS ONE, 9, (1), 18 pages.
75. ✍-Saini I, Singh D, Khosla A (2014) Detection of QRS-complex using K-nearest neighbor algorithm. Medical Engineering and Informatics, 5, (1), pp. 81-101, ISSN: 1755-0653.
76. ✍-Benali Radhwane (2014) Analyse du signal ECG par réseau adaptif d'ondelettes en vue de la reconnaissance de pathologies cardiaques.PhD thesis, Faculte de Technologie, Université Abou Bekr Belkaid, 140 pages, http://dspace.univ-tlemcen.dz/bitstream/112/2289/1/BENALI-Radhwane.pdf
77. ✍-Liu NT, Cancio LC, Salinas J, Batchinsky AI (2014) Reliable real-time calculation of heart-rate complexity in critically ill patients using multiple noisy waveform sources. J. of Clinical Monitoring and Computing, 28, pp.123-131
78. ✍-Thulasi Prasad, Varadarajan S (2013) ECG signal processing using digital signal processing techniques. Int. J. of Scientific & Engineering Research, 4, (12), ISSN 2229-5518, http://www.ijser.org/paper/ECG-Signal-Processing-Using-Digital-Signal-Processing-Techniques.html
79. ✍-Simova I, Mateev H, Katova T, Haralanov L, Dimitrov N (2013) Telemonitoring boosts atrial fibrillation detection in cryptogenic stroke patients – preliminary findings. Cardiology and Angiology: An Int. J., 1, (2), pp. 47-47, file:///C:/Users/Ivaylo/Downloads/Simova122013CA6802_1.pdf
80. ✍-Georgieva-Tsaneva G (2013) QRS detection algorithm for long term Holter records. Int. Conf. on Computer Systems and Technologies, 28-29 June, Russe, Bulgaria, pp. 112-119.
81. ✍-Gutierrez Rivas R, Garcia Dominguez JJ, Marnane WP, Twomey N, Temko A (2013) Real-time allergy detection. IEEE Int. Symp. on Intelligent Signal Processing, pp. 21-26.
82. ✍-Muthuraman M, Galka A, Hong VN, Heute U, Deuschl G, Raethjen J (2013). Cortico-muscular coherence on artifact corrected EEG-EMG data recorded with a MRI scanner. IEEE Int. Conf. of Engineering in Medicine and Biology Society, pp. 4811-4814).
83. ✍-Chen Diao, Aihua Zhang, Bin Wang, Caixia Wang (2013) R-peaks detection using local mean decomposition. Int. J. of Advancements in Computing Technology, 5, (9), pp. 1103-1114..
84. ✍-Masudul Haider Imtiaz, Adnan Kiber (2013) Design and implementation of a real-time automated ECG diagnosis (AED) system. Global Journal of Researches in Engineering Electrical and Electronics Engineering, 13, (11), pp. 41-51, https://globaljournals.org/GJRE_Volume13/6-Design-and-Implementation.pdf
85. ✍-Canento F, Lourenço A, Silva H, Fred A (2013) Review and comparison of real time electrocardiogram segmentation algorithms for biometric applications. 6th Int. Conf. on Health Informatics, 11-14 Febr, Barcelona, Spain, 9 pages.
86. ✍-Hong Qianhan (2013) Development of an automatic ECG-based emotion classification algorithm. PhD thesis, Department of Electrical Engineering, National Cheng Kung University, 85 pages, http://www.airitilibrary.com/Publication/alDetailedMesh?docid=U0026-1807201315385700
87. ✍-Tuboly G (2013) Pitvarfibrilláció detektálása telemedicinális EKG jelek alapján. Neumann Kollokvium, 22-23 Nov. Veszprém, Magyarország, pp. 17-20, http://real.mtak.hu/21345/1/Tuboly_e-Health_2013.pdf
88. ✍- Su Yiqing (2013) A ZigBee-based wireless real-time ECG monitoring system. MS thesis, Department of Information Engineering University, 34 pages, http://www.airitilibrary.com/Publication/alDetailedMesh?docid=U0026-2308201314053100
89. ✍- Feng Li, Meili Chen (2013) A feasibility research on waveform recognition algorithm based on geometric characteristics. IEEE Int. Conf. on Bioinformatics and Biomedicine, 18-21 Dec., Shanghai, China, pp.243-248
90. ✍- Salih SK, Aljunid SA, Aljunid SM, Maskon O, Yahya A (2013) High speed approach for detecting QRS complex characteristics in single lead electrocardiogram signal. Int. Conf. on Control System, Computing and Engineering, 29 Nov. – 1 Dec. Batu Ferringhi, Malaysia, pp. 391-396.
91. ✍-Gruberger M, Maron-Katz A, Sharon H,Hendler T,Ben-Simon E (2013) The wandering mood: psychological and neural determinants of rest-related negative affect. Frontiers in Psychology, 4, 916, 10 pages, DOI: 10.3389/fpsyg.2013.00961
92. Garcia NM, Tavares P, Miguel R, Trindade I, Lucas J, Pereira M, (2013) Resilient heart-beat detection algorithm for signals captured by smart textiles. 5 pages, http://www.researchgate.net/publication/258221058_Resilient_heart-beat_detection_algorithm_for_signals_captured_by_smart_textiles/file/9c96052763de62aa71.pdf
93. ✍-Dohare RK, Kumar V, Kumar R (2013) An efficient new method for the detection of QRS in electrocardiogram. Computers & Electrical Engineering, 14 pages, http://www.sciencedirect.com/science/article/pii/S0045790613002863

94. - Hadj Slimane (2013) Analyse et synthese de methodes de detection du complexe QRS du signal electrocardiogramme. PhD thesis, Universite Abou-Bakr Belkaid-Tlemcen, Algerie 112 pages, http://dspace.univ-tlemcen.dz/bitstream/112/3030/1/fin.pdf
95. -Jakub Kuzilek (2013) Independent component analysis: Applications in ECG signal processing. PhD thesis, Czech Technical University in Prague, 115 pages
96. -Kuzilek J, Lhotska L (2013) Electrocardiogram beat detection enhancement using Independent Component Analysis. Medical Engineering and Physics, 35, (6), pp. 704-711.
97. -Kuzilek J, Lhotska L (2013) Beat detection enhancing AdaBoost. Int.Conf. on Bio-inspired Systems and Signal Processing, 11-14 February, Barcelona, Spain, pp. 280-283.
98. -Silva H, Lourenço A, Canento F, Fred A, Raposo N (2013) ECG biometrics: Principles and applications. Int.Conf. on Bio-inspired Systems and Signal Processing, 11-14 February,Barcelona, Spain, pp. 215-220
99. -Canento F, Lourenço A, Silva H, Fred A (2013) On real time ECG segmentation algorithms for biometric applications. Int.Conf. on Bio-inspired Systems and Signal Processing, 11-14 February, Barcelona, Spain, pp. 228-235.
100. - Liu NT, BatchinskyAI, Cancio LC, Baker WL, Salinas J (2013) Development and validation of a novel fusion algorithm for continuous, accurate, and automated R-wave detection and calculation of signal-derived metrics. J. of Critical Care,28, (5), pp. e9-e18
101. -Ahmad Khoureich (2013) Méthodes à faible complexité algorithmique pour l'analyse d'ECG. PhD thesis, Institut de Recherche Mathématique de Rennes, Université de Rennes 1, 89 pages, http://tel.archives-ouvertes.fr/docs/00/81/64/45/PDF/KA_Ahmad_Khoureich.pdf
102. -Ben-Simon E, Podlipsky I, Okon-Singer H, Gruberger M, Cvetkovic D, Intrator N, Hendler T (2013) The dark side of the alpdwha rhythm: fMRI evidence for induced alpha modulation during complete darkness. Eur. J. of Neuroscience, 37, (5), pp. 795-803, ISSN: 0953-816X
103. -Zimmermann R, Marchal-Crespo L, Edelmann J, Lambercy O, Fluet MC, Riener R, Wolf M, Gassert R (2013) Detection of motor execution using a hybrid fNIRS-biosignal BCI: a feasibility study. Journal of NeuroEngineering and Rehabilitation,10, 4, 28 pages, http://www.jneuroengrehab.com/content/10/1/4/abstract, ISSN 1743-0003
104. -Marchal-Crespo L, Zimmermann R., Lambercy O, Edelmann J, Fluet M-C, Wolf M, Gassert R., Riener R. (2013) Motor execution detection based on autonomic nervous system responses. Physiological Measurement, 34, (1), pp. 35 – 51, ISSN 0967-3334.
105. -Kuzilek J, Lhotska L (2013) Elecrocardiogram beat detection enhancement using Inependent Component Analysis. Medical Engineering and Physics,35, (6), pp. 704-711,ISSN: 1350-4533.
106. -Saini I, Singh D, Khosla A (2013) QRS detection using K-Nearest Neighbor algorithm (KNN) and evaluation on standard ECG databases. Journal of Advanced Research, 4, (4), pp. 331-344, ISSN: 2090-1232.
107. -Chen Weining (2012) Development of ECG measurement and analysis platform using an embedded system. PhD thesis, Institute of Biomedical Engineering, Chung Yuan Christian University, 90 pages, http://www.airitilibrary.com/Publication/alDetailedMesh?docid=U0017-1610201310535461
108. -Cédric Join (2012) Une approche algébrique pour la pratique de l'estimation, du diagnostic, de la commande et de la finance. PhD thesis, Université de Lorraine, 134 pages, http://tel.archives-ouvertes.fr/docs/00/75/93/70/PDF/HDR_web.pdf
109. -Malte Kirst (2012) Verbesserung der automatischen EKG-Analyse durch Hinzunahme von Kontextinformationen, PhD thesis, Fakultät für Elektrotechnik und Informationstechnik des Karlsruher Instituts für Technologie, 206 pages, http://d-nb.info/1030315949/34
110. -Tanev S (2012) Ventricular beat detection and classification in long term ECG recordings. Int.J. Bioautomation, 16, (4), pp. 273-290
111. -Dotsinsky I, Nikolova B, Peycheva E, Tsoneva I (2012) New modality for electrochemotherapy of surface tumors. Biotechnology and Biotechnological Equipment, 26, (6), pp. 3402-3406, ISSN: 1310-2818
112. -Chien-Hao Wang, Cheng-Wei Lu, Tzu-Yu Lin, Maysam F. Abbod, Jiann-Shing Shieh (2012) An assessment of pulse transit time for detecting heavy blood loss during surgical operation. The Open Biomedical Engineering Journal, 6, pp. 104-111, ISSN: 1874-1207.
113. -Salih SK, Aljunid SA, Yahya A, Ghailan K (2012) A novel approach for detecting QRS complex of ECG signal. Int. J. of Computer Science Issues, 9, (6), pp. 205-215, ISSN: 1694-0814.
114. -Lorenço A, Silva H, Fred A (2012) ECG-based biometrics: A real time classification approach. IEEE Int.Workshop on Machine Learning for Signal Processing, 23-26 September, Santander, Spain, 6 pages, ISSN: 1551-2541.
115. -Mateev H, Simova I, Katova T, Dimitrov N (2012) Clinical evaluation of a mobile heart rhythm telemonitoring system. ISRN Cardiology online, 8 pages, http://downloads.hindawi.com/isrn/cardiology/2012/192670.pdf
116. -Woo-Hyuk Jung, Sang-Good Lee (2012) An R-peak detection method that uses an SVD filter and a search back system. Computer Methods and Programs in Biomedicine, 108. (3), pp. 1121-1132, ISSN: 0169-2607.
117. -Rezk S, Join C, El Asmi S (2012) Inter-beat (R-R) intervals analysis using a new time delay estimation technique. 20th European Signal Processing Conf., 27-31 August, Bucharest, Romania, pp. 929-933, http://www.eurasip.org/Proceedings/Eusipco/Eusipco2012/Conference/papers/1569582569.pdf

118. *Valerie Kirsch (2012) Multimodal approaches in human brain mapping. Dissertation zum erwerb des Doktorgrades der Medizin, Medizinischen Fakultät, Ludwig-Maximilians-Universität zu München, 90 pages, http://edoc.ub.uni-muenchen.de/14650/1/Kirsch_Valerie.pdf*
119. *Saini I, Singh D, Khosla A (2012) Support vector machine-based QRS detection. Evaluation on standard databases. Int. J. of Medical Engineering and Informatics, 4, (3), pp.299-324, ISSN: 1755-0653.*
120. *Pais CM, Rufiner HL (2012) Detector de QRS inspirado en filtrado óptimo y paquetes de onditas. 13th Argentine Symposium on Technology, 27-31 August, La Plata, Argentina, pp. 276-287, ISSN: 1850-2806*
121. *Begum GS, Singh V (2012) Automatic diagnostic system for long-term ECG data from Holter monitor. International Journal of Computer Applications, 47, (20), pp. 16-21, ISSN: 0975-8887*
122. *Wieser M, Buetler L, Vallery H, Schaller J, Mayr A, Kofler M, Saltuari L, Zutter D, Riener R (2012) Quantification of clinical scores through physiological recordings in low-responsive patients: a feasibility study. Journal of NeuroEngineering and Rehabilitation, online, 9, (30), 22 pages, ISSN: 1743-0003*
123. *Eszter Ilona Lohn (2012) Estimating the clinical score of coma patients - a comparison of model selection methods. MS Thesis, Department of Mathematics. Swiss Federal Institute of Technology Zurich, 74 pages, http://www.risklab.ch/dmath/research/groups/sfs/research/mas_theses/2012/lohn.pdf*
124. *Plesnik E, Malgina O, Tasič JF, Zajc M (2012) Detection of the electrocardiogram fiducial points in the phase space using the euclidian distance measure. Medical Engineering and Physics, 34, (4), pp. 524-529, ISSN: 1350-4533.*
125. *Lourenço A, Silva H, Lourenço RL, Leite PL, Fred ALN (2012) Realtime electrocardiogram segmentation for finger based ECG biometrics. Int. Conf. on Bio-inspired Systems and Signal Processing, Vilamoura, Portugal, 1-4 February, pp. 49-54, ISBN: 987-989-8425*
126. *Peters CHL, van Laar JOEH, Vullings R, Oei SG, Wijn PFF (2012). Beat-to-beat heart rate detection in multi-lead abdominal fetal ECG recordings. Medical Engineering & Physics, 34, (3), pp. 333-338, ISSN: 1350-4533*
127. *Матеев Х, Симова Я, Кътова Ц (2012) Клинична оценка на нова система за телемониториране на сърдечния ритъм. Сърдечно-съдови заболявания, 43, (1), стр. 19-27, ISSN 0204-6865*
128. *Kesper K, Canisius S, Penzel T, Ploch T, Cassel W (2012) ECG signal analysis for the assessment of sleep-disordered breathing and sleep pattern. Medical & Biological Engineering & Computing, 50, (2), pp. 135-144, ISSN: 1741-0444.*
129. *Zhongming Liu, Jacco A. de Zwart, Peter van Gelderen, Li-Wei Kuo, Jeff H. Duyn (2012) Statistical feature extraction for artifact removal from concurrent fMRI-EEG recordings. NeuroImage, 59, (3), pp. 2073-2087, ISSN: 1053-8119.*
130. *Koenig C, Riener R (2012) The human in the loop, part 1, pp 39-56. In: Neurorehabilitation Technology, Eds: Dietz V, Nef T, Rymer WZ © Springer - London, Dordrecht, Heidelberg, New York, ISBN: 978 -1-4471-2276-0.*
131. *Pal Saurabh, Mitra Madhuchhanda (2012) Empirical mode decomposition based ECG enhancement and QRS detection. Computers in Biology and Medicine, 42, (1), pp. 83-92, ISSN: 0010-4825.*
132. *Fabio Vergari (2012) Sistemi per il monitoraggio concorrente di parametri biometrici e ambientali finalizzato alla valutazione di situazioni critiche. PhD thesis, Allma Matterr Sttudiiorrum – Uniiverrsiittà dii Bollogna, 89 pages, http://amsdottorato.cib.unibo.it/3579/1/vergari_fabio_tesi.pdf*
133. *Abed Al Raoof Bsoul (2011) Processing and classification of physiological signals using wavelet transform and machine learning algorithms. PhD thesis, Virginia Commonwealth University, 137 pages*
134. *Liaojun Kai (2011) Real-time ECG feature extraction using FPGA. PhD thesis, Institute of Biomedical Engineering Chung Yuan Christian University, 137 pages, http://www.airitilibrary.com/Publication/alDetailedMesh?docid=U0017-0906201117495148*
135. *Mirza Abdel Jabar Baig (2011) Design and implementation of a multi-purpose data acquisition and experiment control system for mri and neuroscientific lab environments. MS thesis, McGill University, Canada, 80 pages*
136. *Chung-Ching Peng (2011) A memory-optimized architecture for ecg signal processing. PhD thesis, University of Flarida, 104 pages, http://ufdcimages.uflib.ufl.edu/UF/E0/04/27/52/00001/peng_c.pdf*
137. *Kelvin Cheung (2011) ECG morphological features recognition and its effect to classification. PhD Thesis, Department of Applied Computer Technology, East China Normal University, China, 129 pages, DOI:CNKI:CDMD:1.1012.272492, N124, http://www.cgl.org.cn/auto/db/detail.aspx?db=950002&rid=1577501&agfi=0&cls=0&uni=True&cid=0&showgp=True&prec=False&md=93&pd=6&msd=93&psd=6&mdd=93&pdd=6&count=10&reds=waveform%3Bfeatures*
138. *Weichih Hu, Chun Cheng Lin, Liang Yu Shyu (2011) An implementation of a real-time and parallel processing ecg features extraction algorithm in a field programmable gate array (FPGA). Computing in Cardiology, 38, pp. 801-804, ISSN: 0276-6574*
139. *Kuzilek J, Lhotska L, Hanuliak M (2011) An automatic method for holter ECG denoising using ICA. 4th Int. Symposium on Applied Sciences in Biomedical and Communication Technologies, 26-29 October, Barcelona, Spain, doi:10.1145/2093698.2093701, ISBN: 978-1-4503-0913-4*
140. *Taouli SA, Bereksi-Reguig F (2011) Detection of QRS complexes in ECG signals based on empirical mode decomposition. Global Journal of Computer Science and Technology, 11, (20), pp. 1-8, Online ISSN: 0975-4172.*

141. *Zimmermann R, Marchal-Crespo L, Lambercy O, Fluet M-C, Riener R, Wolf M, Gassert R (2011) Towards a BCI for sensorimotor training: Initial results from simultaneous fNIRS and biosignal recordings. Ann. Int. Conf. of IEEE Engineering in Medicine and Biology Society, art. no. 6091565, pp. 6339-6343, ISBN: 978-142444121-1.*
142. *Vassányi I, Kozmann G, Bánhalmi A, Végsö B, Kósa I, Dulai T, Tarjányi, Z, Tuboly G, Cserti P, Pintér B (2011) Applications of medical intelligence in remote monitoring. Studies in Health Technology and Informatics, 169, pp. 671-675, ISSN: 0926-9630*
143. *Parak J, Havlik J (2011) ECG signal processing and heart rate frequency detection methods. In 19th Annual Conf. on Technical Computing, 8 November, Prague, CD-ROM version, 6 pages, ISBN: 978-80-7080-794-1, http://phobos.vscht.cz/konference_matlab/MATLAB11/prispevky/091_parak.pdf*
144. *Olli Heikkinen (2011) Development and validation of an ambulatory heart rate variability measurement system. MS thesis. Department of Applied Physics, University of Eastern Finland, Kuopio, 64 pages, http://epublications.uef.fi/pub/urn_nbn_fi_uef-20110355/urn_nbn_fi_uef-20110355.pdf*
145. *Rezk S, Join C, El Asmi S (2011) An algebraic derivative-based method for R wave detection. 19th European Signal Processing Conference, 29 August - 2 September, Barcelona, Spain, pp. 1578-1582.*
146. *Min Soo Kim, Young Chang Cho, Suk-Tae Seo, Chang-Sik Son, Yoon-Nyun Kim (2011) Auto-detection of R wave in ECG (electrocardiography) for patch-type ECG remote monitoring system. Biomedical Engineering Letters, 1, (3), pp. 180-187, ISSN: 2093-9868.*
147. *Koenig A, Novak D, Omlin X, Pulfer M, Perreault E, Zimmerli L, Mihelj Matjaz, Riener R (2011) Real-time closed-loop control of cognitive load in neurological patients during robot-assisted gait training. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 19, (4), pp. 453-464, ISSN: 1534-4320.*
148. *Jones VM, Batista R, Bults RGA, Widya I, Hermens R. Huisin't Veld H, Tonis T,. Vollenbroek-Hutten M (2011) Interpreting streaming biosignals: in search of best approaches to augmenting mobile health monitoring with machine learning for adaptive clinical decision support. Artificial Intelligence in Medicine 2-6 July, Bled, Slovenia, 12 pages, ISBN: 987-364-2222-177- http://wwwhome.cs.utwente.nl/~akkerh/papers/2011-LEMEDS-Interpreting.pdf*
149. *Liu Jin-jiang, Wang Chun-guang, Sun Ji-xiang (2011) The detection and recognition of electrocardiogram's waveform based on sparse decomposition and neural network. Signal Processing, 27, 6, pp. 843-850, ISSN: 0165-1684.*
150. *Chelladurai MES, Kumaravel N (2011) Heart rate variability analysis in different age and pathological conditions. Journal of Computer Science, 7, (10), pp. 1515-1524, ISSN: 1549-3636.*
151. *Jinkwon Kim, Se Dong Min, Myoungho Lee (2011) An arrhythmia classification algorithm using a dedicated wavelet adapted to different subjects. Bioedical Engineering Online, 10, (56), 40 pages, ISSN:1475-925X http://www.biomedical-engineering-online.com/content/pdf/1475-925X-10-56.pdf*
152. *Kumar P, Jain M, Chandra S (2011) Low cost, low power QRS detection module using PIC. Int. Conf. on Communication Systems and Network Technologies 3-5 June, Katra, India, pp. 414-418, ISBN: 978-1-4577-0543-4.*
153. *Chouakri SA, Bereksi-Reguig F, Taleb-Ahmed A (2011) QRS complex detection based on multi wavelet packet decomposition. Applied Mathematics and Computation, 217, (23), pp. 9508-9525, ISSN: 0096-3003.*
154. *Koenig A, Omlin X, Zimmerli L, Sapa M, Krewer C, Bolliger M, Müller F, Riener R (2011) Psychological state estimation from physiological recordings during robot-assisted gait rehabilitation. Journal of Rehabilitation Research and Development, 48, (4), pp. 376-389, ISSN: 0748-7711.*
155. *Narsimha B, Suresh E., Punnamchandar K, Reddy MS (2011) Denoising and QRS detection of ECG signals using empirical mode decomposition. Int. Conf. on Communications and Signal Processing. !0-12 February, Warangal, India, pp. 439-442, ISBN: 978-1-4244-9798-0.*
156. *Li Peng, Liu Changchun, Zhang Ming, Che Wenbiao, Li Jian V (2011) A real-time QRS complex detection method. Acta Biophysica Sinica, 27, (3), pp. 222-230, ISSN: 1000-6737.*
157. *Okon-Singer H, Podlipsky I, Siman-Tov T, Ben-Simon E, Zhdanov A, Neufeld MY, Hendler T (2011) Spatio-temporal indications of sub-cortical involvement in leftward bias of spatial attention. NeuroImage, 54, (4), pp. 3010-3020, ISSN: 1053-8119*
158. *Shih Chin Fang (2011) Phase space reconstruction and novel portrait comparison on electrocardiogram apply for human identity recognition and ventricular arrhythmia detection. PhD Thesis, Electrical Engineering Research Institute, Electrical Engineering Research Institute, 140 pages.*
159. *Watson JN, Addison PS (2010) Systems and methods for artifact detection in signals US. Patent WO 2010001246 A2, US20090326871, http://www.google.com/patents/WO2010001246A2*
160. *Gu-Young Jeong, Myoung-Jong Yoon, Kee-Ho Yu, Tae-Kyu Kwon (2010) Development of portable ECG measurement device and PC software for automatic ST analysis. Int. Conf. on Control Automation and Systems (ICCAS), 27-30 October, Gyeonggi-do, South Korea, pp. 1171-1174, ISSN: 2093-7121.*
161. *Kužilek, J, Lhotská L, Hanuliak, M (2010) Processing Holter ECG signal corrupted with noise: Using ICA for QRS complex detection. 3rd Int. Symp. Applied Sciences in Biomedical and Communication Technologies, 7-10 November, Rome, Italy, pp. 1-4, DOI: 10.1109/ISABEL.2010.5702896*
162. *Luo Yifan (2010) Interaction interface between cultural industry and community - taking Chienkuo beer brewery as an example. MS Thesis, National Taipei University of Technology, 185 pages.*

163. *-Juan Cardona (2010) Detección automática del complejo QRS en tiempo real, 10 pages, http://materias.fi.uba.ar/6607/tps/proy2c_10.pdf In Lecture course: Trabajo práctico especial de señales y sistemas. Facutad de Ingenieria, Universidad de Buenos Aires, Argentina*
164. *-Семчишин ОВ, Лещишин ЮЗ (2010) Оцінка ефективності методу виділення RR-інтервалів електрокардіосигналів плоду. Вісник Хмельницького національного університету, 5, 187-193. http://www.nbuv.gov.ua/Portal/natural/Vchnu_tekh/2010_5/54sem.pdf*
165. *-Lanatà A, Valenza G, Scilingo EP (2010)The contribution of the phase spectrum in automatic multiple cardiac arrhythmias recognition in wearable systems. 3rd International Symposium on Applied Sciences in Biomedical and Communication Technologies, 7-10 November, Roma, ISBN: 978-142448132-3, DOI: 10.1109/ISABEL.2010.5702855, 5 pages.*
166. *-Rafal Doniec (2010) Wykorzystanie metod sztucznej intelegencji do regulacji poziomu insuliny w organizmie czlowieka. PhD Thesis, Wydzial Automatyki, Elektroniki I Informatyki, Politechnika Slavska w Gliwicach, Gliwice, Polska, 261 pages, http://delibra.bg.polsl.pl/Content/1011/R.+Doniec+-+Rozprawa+doktorska.pdf?handler=pdf*
167. *-Wieser M, Buetler L, Koenig A, Riener R (2010) Quantitative description of the state of awareness of patients in vegetative and minimally conscious state. IEEE 32nd Annual Int. Con. of the Engineering in Medicine and Biology Society, Buenos Aires, Argentina, August 31 - September 4, DOI: 10.1109/IEMBS.2010.5626763, pp. 5533-5536.*
168. *-Jeong Gu-Young Yoon, Myoung-Jong Yu, Kee-Ho Kwon, Tae-Kyu (2010) Development of portable ECG measurement device and PC software for automatic ST analysis. Int. Conf. on Control Automation and Systems, 27-30 October, Gyeonggi-do, South Korea, pp. 1171 - 1174*
169. *-Zhu K, Wang L, Shen M, Dong J (2010) An experience-based multi-lead decision model for electrocardiogram wave boundary detection. 3rd Int. Conf. on Biomedical Engineering and Informatics, 16-18 October, Yantai, China, art. No 5640078, 2, pp. 735-739.*
170. *-Hua N, Lall A, Romberg J, Jun X, al'Absi M, Ertin E, Kumar S, Suri S (2010) Just-in-time sampling and pre-filtering for wearable physiological sensors: Going from days to weeks of operation on a single charge. Wireless Health Conference, 5-7 October, San Diego, California, USA, pp. 54-63, ISBN: 978-160558989-3, DOI: 10.1145/1921081.1921089.*
171. *-Sadeh B, Podlipsky I, Zhdanov A, Yovel G (2010) Event-related potential and functional MRI measures of face-selectivity are highly correlated: A simultaneous ERP-fMRI investigation. Human Brain Mapping, 31, (10), pp. 1490-1501.*
172. *-Vit Dolezal (2010) Ballistocardiogram artifact removal from EEG signal. MS Thesis, Faculty of Electrical Engineering and Communication, Department of Biomedical Engineering, Brno University of Technology, 72 pages, http://www.vutbr.cz/www_base/zav_prace_soubor_verejne.php?file_id=32098*
173. *-Liu NT, Baker WL, Batchinsky AI, Salinas J, Cancio LC (2010) Enhancing QRS detection using the automated electrocardiogram selection of peaks (AESOP) algorithm. American Hearth assossiation, Resuscitation Science Symposium, 13-14 November, Chicago, IL, USA, Abstract in: Circulation. 2010;122:A156, http://circ.ahajournals.org/cgi/content/meeting_abstract/122/21_MeetingAbstracts/A156*
174. *-Carlos Pais (2010) Procesamiento de señales de origen bioeléctrico: El electrocardiograma ECG. Lecture course: Señales y Sistemas, horarium 74 hs, Facultad de Ingeniería, Paraná, Argentina, lecture 13/18, 31 slides, http://bioingenieria1.wdfiles.com/local--files/descargas*
175. *-Wieser M, Ruest RM, Bütler L, Riener R (2010) Response and control of heart rate via posture and movement. 3rd Int. Conf. on Health Informatics, pp. 77-81.*
176. *-Tian Feng, Liang Chunfeng, Guoxiao Lian, Guang-Shu Hu (2010) New approach to detect cardiac-pulmonary motion for micro-ct system. Transactions of Nanjing University of Aeronautics and Astronautics, 27, (1), http://d.wanfangdata.com.cn/Periodical_njhkhtdxxb-e201001001.aspx*
177. *-Huang Boqiang, Wang Yuanyuan (2010) Detecting QRS complexes of multi-lead ECG signals by using independent component analysis and combined wavelet entropy. Progress in Biomedical Engineering, 31, (1), http://d.wanfangdata.com.cn/Periodical_shswyxgc201001001.aspx*
178. *-Bruce Hopenfeld (2010) Hopping methods for the detection of QRS onset and offset. US patent, IPC8 Class: AA61B50456FI, USPC Class: 600521, http://www.faqs.org/patents/app/20090216144*
179. *-Kendel B, Kramar J, Lončar M, Mešić A, Sušec M (2010) Brojanje otkucaja srca (Heart rate counting). Report, Fakultet Elektrotehnike i Računarstva, Sveučilište u Zagrebu, 18 pages, http://www.fer.hr/_download/repository/brojanje_otkucaja_srca.pdf*
180. *-Ertl M, Kirsch V, Leicht G, Karch S, Olbrich S, Reiser M, Hegerl, Pogarell O, Mulert C (2010)Avoiding the ballistocardiogram (BCG) artifact of EEG data acquired simultaneously with fMRI by pulse-triggered presentation of stimuli. Journal of Neuroscience Methods, 186, (2), pp. 231-241.*
181. *-Litvak V, Eusebio A, Jha A, Oostenveld R, Barnes GR, Penny WD, Zrinzo L, Hariz MI, Limousin P, Friston KJ, Brown P (2010) Optimized beamforming for simultaneous MEG and intracranial local field potential recordings in deep brain stimulation patients. NeuroImage, 50, (4), pp. 1578-1588.*
182. *-Choi S, Adnane M, Lee G-J, Jang H, Jiang Z, Park H-K (2010) Development of ECG beat segmentation method by combining lowpass filter and irregular R–R interval checkup strategy. Expert Systems with Applications, 37, (7), pp. 5208-5218.*

183. -Wellner M, Sigrist R, von Zitzewitz J, Wolf P, Riener R (2010) Does a virtual audience influence rowing? Journal of Sports Engineering and Technology, 224, (1), 117-128
184. -Hadj Slimane Z-E, Naït-Ali A (2010) QRS complex detection using empirical mode decomposition. Digital Signal Processing, 20, (4), pp. 1221-1228.
185. -Gu-Young Jeong, Myoung-Jong Yoon, Kee-Ho Yu (2009) Ambulatory ECG monitoring device with ST-segment analysis. ICCAS-SICE International Joint Conference, 18-21 August, Fukuoka, Japan, pp. 509-513.
186. -Diego Hernán Peluffo Ordóñez (2009) Estudio comparativo de métodos de agrupamiento no supervisado de latidos de seňales ECG. MS Thesis, Departamento de Ingeniería Eléctrica, Electrónica y Computación, Universidad Nacional de Colombia, 162 pages, http://www.bdigital.unal.edu.co/2112/1/Diegohernanpeluffoordonez.2009.pdf
187. -Hui Yang (2009) Nonlinear stochastic modeling and analysis of cardiovascular system dynamics – diagnostic and prognostic applications. PhD Thesis, Faculty of theGraduate College, Oklahoma State University, USA, 212 pages, http://digital.library.okstate.edu/etd/Yang_okstate_0664D_10167.pdf
188. -Aya Matsuyama (2009) ECG and APG signal analysis during exercise in a hot environment. PhD Thesis, School of Engineering and Information Technology, Charles Darwin University, Australia, 297 pages, http://espace.cdu.edu.au/eserv/cdu:9044/Thesis_CDU_9044_Matsuyama_A.pdf
189. -Sheikh RR, Taj IA (2009) Cardiac disorder diagnosis based on ECG segments analysis and classification. 3rd Int. Conf. on Electrical Engineering, 9-11 April, Islamabad, Pakistan, 6 pages, DOI : 10.1109/ICEE.2009.5173185
190. -Kalia Christou (2009) Analysis of QRS complex detection algorithms and metrics extraction efficiency. University of Cyprus, Department of Computer Science, thesis, 129 pages, http://194.42.16.6/action.php?kt_path_info=ktcore.actions.document.view&fDocumentId=1091
191. -Jeong Gu-Young, Yoon Myoung-Jong, Yu Kee-Ho (2009) Development of Realtime ECG Analysis and Monitoring System. Journal of Institute of Control, Robotics and Systems Engineering, 15, (4), pp.406-412.
192. -Kang GT, Park KT, Choi BC, Jung DK (2009) Real time gait analysis using acceleration signal. Journal of Korean Sensors Society, 18, (6), pp. 449-455.
193. -Koenig A, Bolliger M, Omlin X, Wieser M, Riener R (2009) Controlling physiology during robot automated treadmill training. 2nd European Conference on Technically Assisted Rehabilitation, March 18 - 19, Berlin, http://e-collection.ethbib.ethz.ch/eserv/eth:1514/eth-1514-01.pdf
194. -Carlos Sergio Gutiérrez Perera (2009) Multiple sensor data analysis, fusion, and communication for ultrasponder. MS Thesis, Department of Electronics and Telecommunications, Norwegian University of Science and Technology, 251 pages, http://daim.idi.ntnu.no/masteroppgave?id=4866
195. -Mathieu Feuilloy (2009) Étude d'algorithmes d'apprentissage artificiel pour la prédiction de la syncope chez l'homme. DSci Thesis, Laboratoire d'Étude et de Recherche en Informatique, Université d'Angers, 288 pages, http://hal.archives-ouvertes.fr/docs/00/46/50/08/PDF/Manuscrit_These_Feuilloy_temp.pdf
196. -Mathias Wellner (2009) Evaluation of virtual environments for gait rehabilitation and rowing. DSci Thesis, ETH Zurich, 104 pages, http://e-collection.ethbib.ethz.ch/eserv/eth:200/eth-200-02.pdf
197. -Wagner M, Acharya S, Paul JS, Thakor NV (2009) Combining EEG and MRI techniques. Chapter 12, In: Quantitative EEG analysis methods and clinical applications, Eds: Tong S, Thakor NV, © Artech House, 421 pages.
198. -Chudáček V Lhotská L, Georgoulas G, Stylios C (2009) Is it possible to distinguish different types of ECG-holter beats based solely on features obtained from windowed QRS complex? World Congress on Med. Phys. and Biomed. Eng., 7 – 12 September, Munich, Germany, book serees: IFMBE Proceedings, © Springer Berlin Heidelberg, 25, (4), pp. 918-921.
199. -Boqiang Huang, Yuanyuan Wang (2009) QRS Complexes detection by using the principal component analysis and the combined wavelet entropy for 12-lead electrocardiogram signals. IEEE 9th Int. Conf. on Computer and Information Technology, Xiamen, China, pp. 246-251.
200. -Chudacek V, Georgoulas G, Huptych M, Stylios C, Lhotska L (2009) Discriminating between V and N beats from ECGs introducing an integrated reduced representation along with a neural network classifier. 19th Int. Conf. on Artificial Neural Networks, In: Lecture Notes in Computer Science, © Springer Berlin /Heildelberg, pp 485-494.
201. -John Darrington (2009) Real time extraction of ECG fiducial points using shape based detection. PhD thesis, University of Western Australia, 143 pages, http://people.csse.uwa.edu.au/jmd/thesis.pdf.
202. -Houtveen JH, de Geus EJC (2009) Noninvasive psychophysiological ambulatory recordings: Study design and data analysis strategies. European Psychologist, 14, (2), pp.132-141.
203. -Balasubramaniam D, Nedumaran D (2009) Implementation of ECG signal processing and analysis techniques in digital signal processor based system. IEEE Int. Workshop on Medical Measurements and Applications, 29-30 May, Cetraro, Italy, pp.60-63.
204. -Bruce Hopenfeld (2009) Hopping methods for the detection of QRS onset and offset. US patent, appl No 20090216144, http://www.faqs.org/patents/app/20090216144
205. -Μπαρδαμασκου ΓιΩτα, Χειλαδακη Στελλα (2009) Συγκριτική μελέτη αλγορίθμων ανίχνευσης συμπλέγματος QRS σε ηλεκτροκαρδιογραφήματα και υλοποίηση σε επίπεδο δικτύου ασύρματων αισθητήρων. PhD thesis, Εθνικο Μετσοβιο Πολυτεχνειο Σχολη ΗλεκτρολογΩν ΜηχανικΩν Και ΜηχανικΩν ΥπολογιστΩν, http://artemis.cslab.ntua.gr/Dienst/UI/1.0/Download/artemis.ntua.ece/DT2009-0032

206. ✍-Kai-Hsiung Chang (2009) A low computational-complexity QRS complex detection algorithm realized in an MCU-based system and tested with a three-lead synthetic ECG generator. PhD thesis, Department of Electrical Engineering, National Cheng Kung University, 97 pages, http://etdncku.lib.ncku.edu.tw/ETD-db/ETD-search-c/view_etd?URN=etd-0720109-163107
207. ✍-Chudáček V, Georgoulas G, Lhotská L, Stylios C, Petrík M, Čepek M (2009) Examining cross-database global training to evaluate five different methods for ventricular beat classification. Physiological Measurement, 30, pp. 661-677.
208. ✍-Серафим Табаков (2009) Ритъмен анализ на сърдечната дейност, приложим в автономни системи за мониториране. Дисертация за "Доктор", Техн. Унив. – София, 111 стр.
209. ✍-Mohamed Ben Messaoud (2009) Traitement des électrocardiogrammes en vue de diagnostic des pathologies cardiaques suivi de applications des systèmes adaptatifs avec modèle de référence aux systèmes électromécaniques. Dr. Ing. Thesis, L'École Nationale d'Ingénieurs de Sfax, République Tunisienne, 171 pages, http://m.benmessaoudg.googlepages.com/J3.PDF
210. ✍-Jones VM, Huis MHA, Tonis TM, Bults RGA, van Beijnum BJF, Widya IA, Vollenbroek-Hutten MMR, Hermens HJ (2008) Biosignal and context monitoring: Distributed multimedia applications of body area networks in healthcare. IEEE 10th International Workshop on Multimedia Signal Processing, Cairns, Queensland, Australia. pp. 820-825, http://eprints.eemcs.utwente.nl/15107/01/Jones_CAIRNS_paper_FINAL.pdf
211. ✍-Leclercq Y, Balteau E, Dang-Vu T, l Schabus M, Luxen A, Maquet P, Phillips C (2009) Rejection of pulse related artefact (PRA) from continuous electroencephalographic (EEG) time series recorded during functional magnetic resonance imaging (fMRI) using constraint independent component analysis (cICA). NeuroImage, 44, (3), pp. 679-691
212. ✍-Adnane M, Jiang Z, Choi S (2009) Development of QRS detection algorithm designed for wearable cardiorespiratory system. Computer Methods and Programs in Biomedicine, 93, (1), pp. 20-31.
213. ✍-Jones VM, Huis in 't Veld MHA, Tonis TM, Bults RGA, van Beijnum BJF, Widya IA, Vollenbroek-Hutten MMR, Hermens HJ (2008) Biosignal and context monitoring: Distributed multimedia applications of body area networks in healthcare. IEEE 10th Int. Workshop on Multimedia Signal Processing, 8-10 Oct 2008, Cairns, Queensland, Australia, pp. 1-6, http://doc.utwente.nl/65397/
214. ✍-Chien-Chih Lai (2008) Design and analysis of pervasive community-care service networks. Chinese Electronic Tresses and Dissertation Service, 88 pages, http://209.85.129.132/search?q=cache:wqAlLwH7pQoJ:www.cetd.com.cn/ec/thesis.
215. ✍-Yang S, Bian D (2008) Automatic detection of QRS onset in ECG signals. IEEE Int. Symposium on IT in Medicine and Education, ITME 2008, 15-22 November, Bangalore, India, pp. 291-294.
216. ✍-de Lannoy G, de Decker A, Verleysen M (2008) A supervised wavelet transform algorithm for R spike detection in ECG. pp. 256-264. In: Biomedical Engineering Systems and Technologies, Eds: Fred A, Filipe J, Gamboa H, © Springer, 542 pages
217. ✍-Jones VM, Huis In't Veld R, Tonis T, Bults RB, Van Beijnum B, Widya I, Vollenbroek-Hutten M, Hermens H (2008) Biosignal and context monitoring: Distributed multimedia applications of body area networks in healthcare. 10th IEEE Workshop on Multimedia Signal Processing, Art. No 4665187, pp. 820-825.
218. ✍-Yang X-L, Tang J-T (2008) Hilbert-Huang transform and wavelet transform for ECG detection. International Conference on Wireless Communications, Networking and Mobile Computing, art. no. 4681057
219. ✍-Spadini F, Vergari F, Nachman L, Lamberti C, Salmon Cinotti T (2008) A wireless and context-aware ECG monitor: An iMote2 based portable system. Computers in Cardiology 35, pp. 997−1000.
220. ✍-Ben-Simon E, Podlipsky I, Arieli A, Zhdanov A, Hendler T (2008) Never resting brain: Simultaneous representation of two alpha related processes in humans, PLoS ONE, 3, (12), http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2602982
221. ✍-Chiarugi F (2008) New developments in the automatic analysis of the surface ECG: The case of atrial fibrillation. Hellenic Journal of Cardiology, 49,(4), pp. 207-221
222. ✍-Tabakov S, Iliev I, Krasteva V (2008) Online digital filter and QRS detector applicable in low resource ECG monitoring systems. Annals of Biomedical Engineering, 36, (11), pp. 1805-1815.
223. ✍-Jing-tian Tang, Xiao-li Yang, Jun-chao Xu,. Yan Tang, Qing Zou, Xiao-kai Zhang (2008) The algorithm of R peak detection in ECG based on empirical mode decomposition. 4th International Conference on Natural Computation, 25-27 August, Jinan, China, pp. 624-627.
224. ✍-Lascu M, Lascu D (2008) Labview electrocardiogram event and beat detection. WSEAS Transactions on Computer Research, 1, (3), pp. 9-18.
225. ✍-Özkan Bebek (2008) Robotic-assisted beating heart surgery. PhD thesis, Dep. of El. Eng. and Comp. Sci. Case Western Reserve University. http://vorlon.case.edu/~mcc14/research/papers/OzkanBebekPhD2008.pdf
226. ✍-Stegle O, Fallert SV, MacKay DJC, Brage S (2008) Gaussian process robust regression for noisy heart rate data. IEEE Transactions on Biomedical Engineering. 55, (9), pp 2143-2151.
227. ✍-Hadj Slimane ZE,Reguig FB (2008) A real-time QT interval detection algorithm. Journal of Mechanics in Medicine and Biology, 8, (2), pp. 251-263.

228. ✍-Chakravarty D, Khatua SK, Ghosh SK (2008) Study of advanced global and local thresholding techniques to rock images for fragment determination IE(I) Journal–MN, 88, pp 25-32, http://www.ieindia.org/pdf/88/88MN204.pdf
229. ✍-Portet F, Quiniou R, Cordier M-O, Carrault G (2008) Apprentissage d'arbre de décision pour le pilotage en ligne d'algorithmes de détection sur les électrocardiogrammes. 16e Conférence Reconnaissance des Formes et Intelligence Artificielle (RFIA'08). pp.1-8, http://hal.inria.fr/docs/00/26/65/35/PDF/RFIA_regle_pilotage-v5.pdf
230. ✍-Sadeh B, Zhdanov A, Podlipsky I, Hendler T, Yovel G (2008) The validity of the face-selective ERP N170 component during 3 simultaneous recording with functional MRI. NeuroImage, 41, (2), pp. 778-786.
231. ✍-Peng Qiu, Ray Liu KJ (2008) A robust method for QRS detection based on modified P-spectrum. Int. Conf. Acoustics, Speech and Signal Processing, ICASSP 2008, March 30 - April 4, Las Vegas, Nevada, USA, pp. 501-504.
232. ✍-Chakravarty D, Khatua SK, Ghosh SK (2008) Study of advanced global and local thresholding techniques to rock images for fragment determination. IE(I) Journal–MN 88, pp. 25-32.
233. ✍-de Lannoy G, de Decker A, Verleysen M (2008) A supervised learning approach based on the continuous wavelet transform for R spike detection in ECG. International Conference on Bio-Inspired Systems and Signal Processing, Biosignals 2008, 28 - 31 January, Madeira, Portugal, pp. 140-145.
234. ✍-Warbrick T, Bagshaw AP (2008) Scanning strategies for simultaneous EEG-FMRI evoked potential studies at 3 T. International Journal of Psychophysiology 67, (3), pp. 169-177.
235. ✍-Chen MM, Boric-Lubecke O, Lubecke VM (2008) 0.5 -μm CMOS implementation of analog heart-rate extraction with a robust peak detector. IEEE Transactions on Instrumentation and Measurement, 57, (4), pp.690-698.
236. ✍-Arzeno NM, Deng Z-D, Poon C-S (2008) Analysis of first-derivative based QRS detection algorithms. IEEE Transactions on Biomedical Engineering, 55, (2), pp. 478-484.
237. ✍- Franciso Ivan de Oliveira (2007) Transformada de Hilbert sobre bases de wavelets: detecção de complexo QRS. MS Thesis, Universidade Federal do Ceará, 210 pages, http://www.repositorio.ufc.br:8080/ri/bitstream/123456789/4068/1/2007_dis_fideoliveira.pdf
238. ✍-de Decker A, de Lannoy G, Verleysen M (2007) Functional SOM for variable-length signal windows. Proceedings of 6th International Workshop on Self-Organizing Maps 'WSOM 2007', 3-6 September, pp. 1-6, http://www.dice.ucl.ac.be/~verleyse/papers/wsom07add.pdf
239. ✍-Chiarugi F, Sakkalis V, Emmanouilidou D, Krontiris T, Varanini M, Tollis J (2007) Adaptive threshold QRS detector with best channel selection based on a noise rating system, Computers in Cardiology, 34, pp. 157-160.
240. ✍-Manriquez, AI, Zhang Q (2007) An algorithm for QRS onset and offset detection in single lead electrocardiogram records. 29th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Lyon, France, 22-26 Aug., pp. 541-544
241. ✍-Portet F, Quiniou R, Cordier M-O, Carrault G (2007) Learning decision tree for selecting QRS detectors for cardiac monitoring. In: Lecture Notes in Computer Science, Eds: Carbonell JG, Siekmann J, © Springer-Verlag Berlin Heidelberg, 4594, pp. 170-174.
242. ✍-Daunoras J, Lukočius R, Virbalis JA (2007) Pulse sensor of physiological parameter monitoring system. Electronics and Electrical Engineering, 6, (78), pp. 67-70.
243. ✍-Melco TC, Moscato LA (2007) Estudo do Eletrocardiograma sobre uma Abordagem Matemática. Boletins Técnicos, ISSN 1517-3526 BT/PMR/070, Departamento de Engenharia Mecatrônica e de Sistemas Mecânicos da Universidade de São Paulo, pp. 1-29, http://www.pmr.poli.usp.br/pmr/bt/BTPMR0707.pdf
244. ✍-Messaoud M Ben (2007) On the algorithm for QRS complexes localisationn electrocardiogram. International Journal of Computer Science and Network Security, 7, (5), pp. 28-34.
245. ✍-Agnieszka Duraj (2007) Algorytmy rozpoznawania zespołu QRS w sygnałach elektrokardiograficznych pochodzących od pacjentów z wszczepionym układem stymulującym. Rozprawa doktorska, Uniwersytet Zielonogórski, Zielona Góra, http://zbc.uz.zgora.pl/Content/8207/pracadr_ADuraj.pdf
246. ✍-Barnaba E, El Achkar GF, Kehdi E, Tcheboukjian A (2007) Real-time ECG monitoring system. Proceedings of the Sixth FEA Student Conference, American University of Beirut, Lebanon, pp. 265-270.
247. ✍-Iliev I, Krasteva V, Tabakov S (2007) Real-time detection of pathological cardiac events in the electrocardiogram. Physiological Mesurement, 28, pp. 259-276.
248. ✍-Darrington J, Hool L (2007) EKG beat analysis: Minimising redundancy between detection and classification. 5th IASTED Conference on Biomedical Engineering, Innsbruck, Austria, 14-16 February, pp. 148-153.
249. ✍-Bebek O, Cavusoglu MC (2007) Intelligent control algorithms for robotic assisted beating heart surgery. IEEE Transactions on Robotics, 23, (3), pp. 468-480.
250. ✍-Cvikl M, Jager F, Zemva A (2007) Hardware implementation of a modified delay-coordinate mapping-based QRS complex detection algorithm, EURASIP Journal on Advances in Signal Processing, vol 2007, doi:10.1155/2007/57286, pp. 1-13.
251. ✍-Blumensath T, Davies ME (2007) Blind separation of maternal and fetal ECG's using any number of channels, pp. 1-7, http://www.see.ed.ac.uk/~tblumens/papers/BDECG06.pdf
252. ✍-Adam Douglas Gerson (2006) A system for single-trial spatiotemporal analysis of the electroencephalogram based on linear discrimination. PhD thesis, Columbia University, New York, USA, 203 pages, http://search.proquest.com/docview/305358953?accountid=26415

253. ✍-Helio Augusto de Lima Rangel (2006) Metodologia para localização de ciclo cardíaco a partir do sinal eletrocardiográfico. MS thesis, Universidade Federal de Uberlândia, 141 pages, http://penelope.dr.ufu.br/handle/123456789/247
254. ✍-Paul Michalek (2006) An authentic ECG Simulator. MS Thesis, Department of Computer Engineering, University of Central Florida, Orlando, USA, 117 pages, http://etd.fcla.edu/CF/CFE0001214/Michalek_Paul_J_200608_MS.pdf
255. ✍-Tito Coutinho Melco (2006) Estudo do eletrocardiograma sobre uma abordagem matemática. Thesis, Departamento de Engenharia Mecatrônica e de Sistemas Mecânicos da Universidade de São Paulo, 100 pages, http://subversion.assembla.com/svn/enfasebccfrb/Material%20De%20pesquisa/TITOCOUTINHOMELCO.pdf
256. ✍-Li P, Chan KL, Fu S, Krishnan SM (2006) A concept learning-based patient-adaptable abnormal ECG beat detector for long-term monitoring of heart patients. Book chapter V, pp. 105-130, In: Neural networks in Healthcare, Eds: Begg R, Kamruzzaman J, Sarkar R, © Idea Group Inc., 332 pages.
257. ✍-Gero von Wagner (2006) Entwicklung von methoden zur echtzeitanalyse von EKG-signalen mit neuro-fuzzy-systemen für anwendungsszenarien der telemedizin. Akademischen grades eines Doktor-Ingenieurs, Fakultät für Elektrotechnik und Informationstechnik, Universität Fridericiana Karlsruhe, http://www.ubka.uni-karlsruhe.de/vvv/2007/elektrotechnik/2/2.text
258. ✍-Arzeno NM, Poon CS, Deng ZD (2006) Quantitative analysis of QRS detection algorithms based on the first derivative of the ECG. 28th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS'06, 30 August – 3 September, New York, USA, Proceedings, art. No. 4029766, pp. 1788-1791.
259. ✍-Loïc Cuvillon (2006) Compensation du battement cardiaque en chirurgie robotisée: Asservissement visuel d'un robot médical avec flexibilités. Thèse présentée pour obtenir le grade de Docteur de l'Université Louis Pasteur, Strasbourg, http://eavr.u-strasbg.fr/~loic/these.pdf
260. ✍-Darrington J (2006) Towards real time QRS detection: A fast method using minimal pre-processing. Biomedical Signal Processing and Control, 1, (2), pp. 169-176.
261. ✍-Mensing S, Bystricky W, Safer A (2006) Identifying and measuring representative QT intervals in predominantly non-normal ECGs. Computers in Cardiology Challenge, 33, pp. 361-364, http://cinc.mit.edu/archives/2006/pdf/0361.pdf
262. ✍- Dingfei Ge, Xiao Qu (2006) Feature extraction based on optimal discrimination plane in ECG signal classification. pp 143-149. In: Advanced Data mining and Application. Eds: Xue Li,Osmar Zaïane,Zhanhuai Li, © Springer-Verlag Berlin Heidelberg, 1110 pages
263. ✍-Матвеев М (2006) Инженерни подходи към оценката на сърдечния риск. Хабилитационен труд за научно звание ст.н.с. I ст., Българска Академия на Науките, Специализиран Съвет по Електронна и Компютърна Техника.
264. ✍-Darrington John (2006) A method of real time QRS detection with minimal pre-processing. Biomedical Signal Processing and Control, pp. 1-16, http://www.csse.uwa.edu.au/~jmd/ecg.pdf
265. ✍-Ritter P, Villringer A (2006) Simultaneous EEG-fMRI. Neuroscience and Biobehavioral Reviews, 30, (6), pp. 823-838.
266. ✍-McNames J, Aboy M (2006) Reliability and accuracy of heart rate variability metrics versus ECG segment duration. Medical & Biological Engineering & Computing, 44, (9), pp. 747-756.
267. ✍-Bebek O, Cavusoglu MC (2006) Predictive control algorithms using biological signals for active relative motion canceling in robotic assisted heart surgery. Proceedings of the IEEE International Conference on Robotics and Automation, Orlando, USA, May 15-19, pp. 237-244.
268. ✍-Matveev M, Prokopova R, Nachev Ch. (2006) Normal and Abnormal Circadian. Characteristics in Autonomic Cardiac Control: New Opportunities for Cardiac Risk Prevention. Nova Science Publishers, Inc., New York, USA.
269. ✍-Mirela Visinescu (2005) Analysis of ECG to predict atrial fibrillation in post-operative cardiac surgical patients. D.Eng. thesis, Politehnica University of Bucharest, Romania, 251 pages,
270. ✍-Christian Fuchs (2005) Entwicklung eines programms zur teilautomatisierten papierstreifen-EKG digitalisierung und elektronischen versand sowie unterstützung der rhythmusdiagnostik. MS Thesis, FH Joanneum Gesellschaft mbH, Graz, 201 pages, http://mitglied.multimania.de/ChFuchs/TM/MAS/MasterthesisFuchs.pdf
271. ✍-Arun N Janapala (2005) RR interval estimation from an ECG using a linear discrete Kalman filter. MS Thesis, Department of Electrical and Computer Engineering, College of Engineering and Computer Science, University of Central Florida Orlando, USA, 106 pages, http://etd.fcla.edu/CF/CFE0000340/Janapala_Arun_N_200505_MSEE.pdf
272. ✍-Cuvillon L, Gangloff J, Mathelin M, Forgione A (2005) Toward robotized beating heart TECABG: assessment of the heart dynamics using high-speed vision. Med. Image Comput Assist Interv, 8, (2), pp. 551-558
273. ✍-© American Association of Critical-Care Nurses (2005) Lesson III: Sinus Rhythms. In: Basic ECG interpretation module notebook, 142 pages.
274. ✍-Oostenveld R, Delorme A (2005) EEGLAB5.03, Free software under the terms of the GNU General Public License, Revision 1.6,2005 © Robert Oostenveld, University Aalborg, Denmark https://svnserv.cbs.mpg.de/eeglab/changeset/818?format=diff&new=818

275. *Basic ECG Interpretation. Module notebook (2005) Essentials of Critical Care orientation, Lesson III: Sinus Rhythm. In: American Association of Critical Care Nurses © 2005, pp. 1-142. http://cmapspublic2.ihmc.us/servlet/SBReadResourceServlet?rid=1182821944217_1813338575_5392*
276. *Rami Niazy (2005) Detect QRS peaks from ECG channel using combined adaptive thresholding. Free software under the terms of the GNU General Public License, FMRIB Centre, Copyright © University of Oxford.*
277. *François Portet (2005) Pilotage d'algorithmes pour la reconnaissance en ligne d'arythmies cardiaques. Thèse le grade de : Docteur de l'Université de Rennes, pp. 1-230.*
278. *Niazy RK, Beckmann CF, Iannetti GD, Brady JM, Smith SM (2005) Removal of FMRI environment artifacts from EEG data using optimal basis sets. NeuroImage, 28 (3), pp. 720-737.*
279. *Are you looking for information about electrocardiogram?, The Sum Heart Diseases Index, pp. 1-7, http://www.sumheartdiseases-guide.info/electrocardiogram/*
280. *de Vibe F (2005) Development of a roaming real-time patient monitor. PhD Thesis, University of Oslo, Department of Informatics, pp. 1-94*
281. *Jezzard P, Matthews PM, Smith SM (2005) The FMRIB plug-in for EEGLAB, Functional MRI: An introduction to methods. Oxford University Press, pp. 1-17, http://www.fmrib.ox.ac.uk/~rami/fmribplugin/*
282. *Li P, Chan KL, Fu S, Krishnan SM (2005) An abnormal ECG beat detection approach for long-term monitoring of heart patients based on hybrid Kernel machine ensemble. 6th International Workshop on Multiple Classifier Systems, Seaside, USA, June 13-15, Lecture Notes in Computer Science, Editors: Oza NC, Polikar R, Kittler J, et al., 3541, pp. 346-355.*
283. *Bragge T, Tarvainen MP, Ranta-aho PO, Karjalainen PA (2005) High-resolution QRS fiducial point corrections in sparsely sampled ECG recordings, Physiological Measurement, 26, pp. 743-751.*
284. *Christian Fuchs (2004) Entwicklung eines programms zur teilautomatisierten papierstreifen-EKG-digitalisierung und elektronischen versand sowie unterstützung der rhythmusdiagnostik. MS thesis, FH Joanneum Gesellschaft mbH, 201 pages, http://mitglied.multimania.de/ChFuchs/TM/MAS/MasterthesisFuchs.pdf*

Daskalov IK, Dotsinsky IA, Christov II (1998) Developments in ECG acquisition, preprocessing, parameter measurement and recording. *IEEE Eng. in Med. & Biol.*, 17, 2, pp. 50-58.

285. *Dalal S, Birok R (2016) ECG peaks detection using principal component analysis. Int. J. of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineeringq 4, (7), pp. 66-70, http://ijireeice.com/upload/2016/july-16/IJIREEICE%2018.pdf*
286. *Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*
287. *Kumar A, Singh M (2016) Robust multiresolution wavelet analysis and window search based approach for electrocardiogram features delineation. J. of Medical Imaging and Health Informatics, 6, (1), pp. 146-156.*
288. *Tseng Yi-Li, Keng-Sheng Lin, Fu-Shan Jaw (2016) Comparison of support-vector machine and sparse representation using a modified rule-based method for automated myocardial ischemia detection. Computational and Mathematical Methods in Medicine, 25 pages, http://downloads.hindawi.com/journals/cmmm/aip/568131.pdf*
289. *Yochum A, Renaud Ch, Jacquir S (2016) Automatic detection of P, QRS and T patterns in 12 leads ECG signal based on CWT. Biomedical Signal Processing and Control, 25, pp. 46-52*
290. *Valais I, Koulouras G, Fountos G, Michail C, Kandris D, Athinaios S (2015) Design and construction of a prototype ECG simulator. e-Jornal of Science & Technology, 3, (9), pp. 11-18.*
291. *Dewangan NK, Kowar MK (2015) A review on ECG signal de-noising, QRS complex, P and T wave detection techniques. Int. J. of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, 3, (2), pp.10-14, http://ijireeice.com/upload/2015/february-15/IJIREEICE3.pdf*
292. *- Zhou Juan, Yan Yong, Cao Desen, Wu Hao (2014) Influence of freguency pass-band settings and print mode on electrocardiogram reading of digital electrocardiograph. Beijing Biomedical Engineering, 33, (5), pp. 508-513*
Πάνη Παναγιώτα του Θωμά (2014) Αφαίρεση θορύβου από Ηλεκτροκαρδιογράφημα. Bachelor thesis, Πάτρα, Ιουνιοσ, 106 pages, http://nemertes.lis.upatras.gr/jspui/bitstream/10889/8611/1/Nimertis_Pani%28ele%29.pdf
293. *Vuksanovic B, Alhamdi M (2014) Analysis of human electrocardiogram for biometric recognition using analytic and ar modeling extracted parameters. Int. J. of Information and Electronics Engineering, 4, (6), pp. 428-433, http://www.ijiee.org/papers/478-SA1007.pdf*
294. *Nicolas Ribas Mercau (2014) Characterization and handling of disturbances within electrocardiographic recordings of different origin. MS thesis, Institute of Biomedical Engineering, Technische Universität Dresden, 192 pages, http://upcommons.upc.edu/pfc/bitstream/2099.1/21684/4/Final_Project_Nicolas_Ribas_Mercau.pdf*
295. *Diego Sogari (2014) Análise comparativa de métodos de detecção automática de isquemias cardíacas. MS thesis, Universidade Federal do Rio Grande do Sul, Brasil, 124 pages, http://www.lume.ufrgs.br/bitstream/handle/10183/101189/000931904.pdf?sequence=1*
296. *Sachdeva R, Kumar P (2014) Delineation of ECG characteristics points using multi-resolution wavelet transform approach. Int. J. of Advance Engineering and Research Development, 1, (7), pp. 1-8, ISSN:2348-6406*
297. *Michal Ruttner (2014) Delineation of ECG signals using leads transformation. MS thesis, Brno University of Technology, 60 pages, https://dspace.vutbr.cz/xmlui/bitstream/handle/11012/31573/michal_ruttner_DP.pdf*

298. -Valais I, Koulouras G, Fountos G, Michail C, Kandris D, Athinaios S (2014) Design and construction of a prototype ECG simulator. e-Journal of Science & Technology, 3, (9), pp. 11-18.
299. - Cheng-Hsiang Fan (2013) Detection of myocardial ischemia episode using segmental features and correction method. MS thesis, Institute of Electrical Engineering, National Chung Cheng University, Taiwan.
300. -Νίκος Φραγκούλης (2013) Ανάπτυξη συσκευής ηλεκροκαρδιογράφου, ελεγχόμενου από υπολογιστή. MS thesis, Πανεπιστήμιο Πάτρας http://nemertes.lis.upatras.gr/jspui/bitstream/10889/6281/1/Fragoulis_MEng_thesis.pdf
301. -Adam Hanzelka (2013) Delineation of experimental ECG data. MS thesis, Brno University of Technology, 54 pages, https://dspace.vutbr.cz/xmlui/bitstream/handle/11012/26157/Adam_Hanzelka_DP.pdf
302. -Manocha AK, Singh M (2013) Automatic delineation of ECG characteristics points using window search & multi-resolution wavelet transform approach. Int. Conf. on Emerging Trends in Engineering and Technology, 7-8 Dec., Patong Beach, Thailand, pp. 756-761
303. -Liu Xia (2013) Identification of P waves and assessment of atrial pacing function.Journal of Practical Electrocardiology, 22, (5), pp. 793-796
304. -Krishnan J, Khambete ND, Rajan A, Benjamin B (2013) Low power multiparameter biopotential amplifier system. Int. J. of Science and Research, 2, (11), pp. 186-189, ISSN 2319-7064
305. -Krishnan J, Khambete ND, Rajan A, Benjamin B (2013) Ultra low power electrophysiological monitoring system based on android platform. Int. J. of Scientific & Engineering Research, 4, (12), pp. 856-860, ISSN 2229-5518
306. -Sabherwal P (2013) Wavelet transform as method for ECG signal analysis. Int. J. of Emerging Science and Engineering, 2, (1), pp.13-17, ISSN: 2319–6378.
307. -Murugan S (2013) Study of soft computing techniques for ischemia detection in ECGs. PhD thesis, Anna University, Chennai, India, 136 pages, http://shodhganga.inflibnet.ac.in/handle/10603/10149.
308. -Fan Cheng-Hsiang, Hsu Yu, Yu Sung-Nien, Lin Jou-Wei (2013) Detection of myocardial ischemia episode using morphological features. IEEE Int. Conf. of Engineering in Medicine and Biology Society (EMBC), 3-7 July, Osaka, Japan, pp. 7334-7337
309. -Dobrev DP, Neycheva TD (2013) Analog approach for common mode impedance balance in two-electrode biosignal amplifiers. Annual Journal of Electronics, 7, pp. 68-71, ISSN: 1314-0078
310. -Dobrev DP, Neycheva TD (2013) Digital lock-in technique for input impedance balance in two-electrode biosignal amplifiers. Annual Journal of Electronics, 7, pp. 64-67, ISSN: 1314-0078
311. -Gargiulo GD, McEwan AL, Bifulco P, Cesarelli M, Jin C, Tapson J, Thiagalingam A, van Schaik A (2013) Towards true unipolar ECG recording without the Wilson central terminal (preliminary results). Physiological Measurement, 34, (9), pp. 991-1012.
312. - Coutinho DP, Silva H, Gamboa H, Fred A, Figueiredo M (2013) Novel fiducial and non-fiducial approaches to electrocardiogram-based biometric systems. IET Biometrics, 2, (2), pp. 64-75, ISSN: 2047-4946.
313. -Janušauskas A, Marozas V, Lukoševičius A (2013) Ensemble empirical mode decomposition based feature enhancement of cardio signals. Medical Engineering and Physics , 35, (8), pp. 1059-1069, ISSN: 1350-4533
314. -Михов Георги (2013) Изследване и усъвършенстване на субтракционния метод за отстраняване на смущения от електрокардиографски сигнали. Дисертация за "Доктор на науките", Техн. Унив. – София, 270 стр.
315. -Manpreet Kaur (2012) Analysis and interpretation of ECG signals. PhD thesis, Sant Longowal Institute of Engineering and Technology, Longowal, Punjab India, 209 pages, http://ir.inflibnet.ac.in:8080/jspui/handle/10603/43995
316. -Yanran Liu, Minseok Kim, Jun-Ichi Takada, Takahiro Kishi, Junko Suzuki, Satoshi Suzuki (2012) Contact-less heartbeat detection method by using microwave. Technical Report of Institute of Electronics, Information and Communication Engineers, 6 pages, http://www.ap.ide.titech.ac.jp/publications/Archive/IEICE_MICTWS(1206Liu).pdf
317. -Zeng Li B (2012) Early detection of ischemic heart disease using multi-lead ECG and heart sounds. PhD thesis, Institute of Medical Engineering, National University of Taiwan, 101 pages
318. -Bakhshi AD, Maud MA, Aamir KM, Loan A (2012) Aggregate spectrogram based classification of Holter ECG signals for wireless sensor networks. Int. Conf. on Emerging Technologies, 8-9 October, Islamabad, Pakistan, 6 pages, DOI: 10.1109/ICET.2012.6375455, ISBN: 978-1-4673-4452-4
319. -Илиев И, (2012) Анализ и обработка на електрокардиографски сигнал. Глава 3, В учебник: Илиев И, Табаков С, Дойчев Д, Анализ и обработка на биомедицински сигнали. Издателство на ТУ-София, ISBN: 978-619-167-012-3
320. -Iliev I (2012) Prehospital monitoring of patients with acute myocardial infarction. European Medical Physics and Engineering Conference, Sofia, 18-20 October, pp. 105-111.
321. -Dobrev DP, Neycheva TD (2012) Increased power-line interference rejection by a stray capacitance drive. Annual Journal of Electronics, 6, (1), pp. 12-15, ISSN: 1314-0078
322. -Dobrev DP, Neycheva TD (2012) Simple two-electrode bootstrapped non-differential biopotential amplifier. Annual Journal of Electronics, 6, (1), pp. 8-11, ISSN: 1314-0078

323. ✍-Иво Илиев (2012) Методи, устройства и системи за телеметрично мониториране на виокорискови пациенти със сърдечносъдови заболявания. Дисертация за "Доктор на науките", Техн. Унив. – София, 199 стр.
324. ✍-Banerjee S, Gupta R, Mitra M (2012) Delineation of ECG characteristic features using multiresolution wavelet analysis method. Measurment, 45, (3), pp. 474-487, ISSN: 0263-2241
325. ✍-Maiko Arichi (2011) Direct mathematical method for real-time ischemic detection from electrocardiograms using the discrete Hermite transform, PhD thesis, University of Akron, USA, 162 pages, http://search.proquest.com/docview/904416760?accountid=26415
326. ✍-Li Xiangyuan, Gao Jianzhong, Zhu Xuehui (2011) Design of DSP-based digital electrocardiograph instrument. Microcomputer and its Application, 30, (10), pp. 22-25.
327. ✍-Liao S, Bakhtiari S, Elmer T, Raptis AC, Mikhelson IV, Sahakian AV (2011) Millimeter wave I-Q standoff biosensor. Conf. of the SPIE - Int. Society for Optical Engineering, 23-25 April, Baltimor, USA, vol. 8371, art. No 83711D.
328. ✍-Nekane Larburu Rubio (2011) Comparative study of algortihms for atrial fibrillation detection. MS Thesis, Publica Universitas Navarrensis, Pamplona, Spain, 142 pages, http://academica-e.unavarra.es/bitstream/handle/2454/4136/577570.pdf?sequence=1
329. ✍-Thomas Werner Degen (2011) Portable devices for mobile health monitoring. Dr Sci Thesis, Eidgenössische Technische Hochschule Zürich, 161 pages, http://e-collection.library.ethz.ch/eserv/eth:2934/eth-2934-02.pdf
330. ✍-Khuntia PK, Sahu B, Kanungo P (2011) Development of de based adaptive techniques for nonlinear system identification. Int. Conf. on Recent Trends in Information Systems,, 21-23 December, Kolkata, India, pp. 331-335
331. ✍-Banerjee S, Mitra M (2011) A classification approach for myocardial infarction using voltage features extracted from four standard ECG leads. Int. Conf. on Recent Trends in Information Systems,, 21-23 December, Kolkata, India, pp. 325-330
332. ✍-Cano ME, Jaso RA, Tavares ME, Estrada JC, Mena EA, Reynoso O, González-Vega A, Córdova-Fraga T (2011) A simple alternative for modulating and recording the PQRST complex. Revista Mexicana de Ingeniería Biomédica, 32, 2, pp. 100-108, ISSN: 0188-9532.
333. ✍-Smrdel A, Jager F (2011) Automatic classification of long-term ambulatory ECG records according to type of ischemic heart disease. BioMedical Engineering OnLine, 10, 107, pp. 1-21, ISSN: 1475-925X
334. ✍-Emam A, Tonekabonipour H, Teshnelab M (2011) Applying MLP as a predictor and ANFIS as a classifier in ischemia detection via ECG. IEEE Conf. on Systems, Man and Cybernetics, 9-12 October, Anchorage, Alaska, USA, pp. 2958-2962, ISBN: 978-145770652-3
335. ✍-Smrdel A (2011) An algorithm to estimate the transient ST segment level during 24-hour ambulatory monitoring. Elektrotehniški Vestnik, 78, (3), pp. 128–135, ISSN: 0013-5852.
336. ✍-Dobrev DP, Neycheva TD (2011) Increased power-line interference rejection by adaptive common mode impedance balance. Annual Journal of Electronics, 5, (2), book 1, pp. 80-83, ISSN: 1313-1842.
337. ✍-Dobrev DP, Neycheva TD (2011) Bootstrapped instrumentation biosignal amplifier. Annual Journal of Electronics, 5, (2), book 1, pp. 76-79, ISSN: 1313-1842.
338. ✍-Tonekabonipour H, Emam A, Teshnelab M, Shoorehdeli MA (2011) Ischemia prediction via ECG using MPL and RBF predictors with ANFIS classifiers. 7th Int. Conf. on Natural Computation, 26-28 July, Shanghai, China, pp. 776-780, ISSN: 2157-9555, DOI: 10.1109/ICNC.2011.6022179
339. ✍-Maiko Arichi (2011) Direct mathematical method for real-time ischemic detection from electrocardiograms using the discrete Hermite transform. PhD Thesis, Faculty of The University of Akron, 160 pages, http://etd.ohiolink.edu/send-pdf.cgi/Arichi%20Maiko.pdf?akron1313529081
340. ✍-Chouakri SA, Bereksi-Reguig F, Taleb-Ahmed A (2011) QRS complex detection based on multi wavelet packet decomposition. Applied Mathematics and Computation, 217, (23), pp. 9508-9525, ISSN: 0096-3003.
341. ✍-Haseena HH, Mathew AT, Paul JK (2011) Fuzzy clustered probabilistic and multi layered feed forward neural networks for electrocardiogram arrhythmia classification. Journal of Medical Systems, 35, (2), pp. 179-188, ISSN: 0148-5598.
342. ✍-Bakhtiari S, Liao S, Elmer T, Gopalsami N Raptis AC (2011) A real-time heart rate analysis for a remote millimeter wave I-Q sensor. IEEE Transactions on Biomedical Engineering, 58, (6), pp.1839-1845, ISSN: 0018-9294.
343. ✍-Miad Faezipour (2010) Packet content inspection: Repetition-based methodologies and hardware implementation. PhD thesis, University of Texas at Dallas, 167 pages
344. ✍-Banerjee S, Mitra M (2010) ECG feature extraction and classification of anteroseptal myocardial infarction and normal subjects using discrete wavelet transform. Int. Conf. on Systems in Medicine and Biology, 16-18 December, Kharagpur, India, pp. 55-60
345. ✍-Khoshnoud S, Teshnehlab M, Shoorehdeli MA (2010) Probabilistic neural network oriented classification methodology for ischemic beat detection using multi resolution wavelet analysis. 17th Iranian Conference of Biomedical Engineering, 3-4 November Isfahan, Iran, ISBN: 978-142447484-4, art. no. 5704915.
346. ✍-Zhao Shen, Chao Hu, Jingsheng Liao, Meng MQH (2010) An algorithm of ST segment classification and detection. IEEE International Conference on Automation and Logistics, 16-20 August, Hong Kong and Macau, DOI: 10.1109/ICAL.2010.5585348, pp. 559-564

347. *Tonekabonipour H, Emam A, Teshnelab M, Shoorehdeli MA (2010) Comparison of neuro-fuzzy approaches with artificial neural networks for the detection of Ischemia in ECG signals. IEEE Int. Conf. on Systems Man and Cybernetics, 10-13 October, Istanbul, Turkie, DOI 10.1109/ICSMC.2010.5642196, pp. 4045-4048.*
348. *Khoshnoud S, Teshnehlab M, Shoorehdeli MA (2010) Multiresoloution wavelet analysis based ischemic beat detection using fuzzy reasoning Int. Conf. on Systems Man and Cybernetics, 10-13 October, Istanbul, Turkie, DOI 10.1109/ICSMC.2010.5641679, pp. 2182-2185.*
349. *Emam A, Tonekabonipour H, Teshnelab M, Shoorehdeli MA (2010) Ischemia prediction using ANFIS. IEEE Int. Conf. on Systems Man and Cybernetics, 10-13 October, Istanbul, Turkie, DOI 10.1109/ICSMC.2010.5642197, pp. 4041-4044.*
350. *Wu Xian-Wen, Wang Feng (2010) Digital filter for electrocardiogram preprocessing based on microprocessor. Chinese Journal of Biomedical Engineering, 19, (1), pp. 30-34*
351. *Faezipour M, Saeed A, Bulusu SC, Nourani M, Minn H, Tamil L (2010) A patient-adaptive profiling scheme for ECG beat classification. IEEE Transactions on Information Technology in Biomedicine, 14, (5), pp. 1153-1165*
352. *Shen Z, Hu C, Liao J, Meng MQ-H (2010) An algorithm of premature contraction detection based on wavelet method. IEEE International Conference on Information and Automation, ICIA 2010, 20-23 June, Harbin, Heilongjiang, China, art. no. 5512157, pp. 1053-1058.*
353. *Murugan S, Radhakrishnan S (2010) Rule based classification of ischemic ECG beats using Ant-miner. International Journal of Engineering Science and Technology, 2, (8), pp. 3929-3935*
354. *Sha Liewei, Mathias Sanjay G, Frigo Louis M. (2010) System and method for identifying periodic motion complexes for MR imaging triggering. US Patent 7738943.*
355. *Shen Zhao, Hu Chao, Liao Jingsheng (2010) Template matching based on wavelet analysis and arrhythmia detection algorithm. Buletin of Advanced Technology Research, 4, (3), pp. 42-45.*
356. *Seyedeh Zahra Fatemian (2010) A wavelet-based approach to electrocardiogram (ECG) and phonocardiogram (PCG) subject recognition. MS` Thesis, Department of Electrical and Computer Engineering, University of Toronto. 132 pages, Fatemian_Seyedeh_z_200911_MASC_Thesis.pdf*
357. *Kalia Christou (2009) Analysis of QRS complex detection algorithms and metrics extraction efficiency. University of Cyprus, Department of Computer Science, thesis, 129 pages, http://194.42.16.6/action.php?kt_path_info=ktcore.actions.document.view&fDocumentId=1091*
358. *Mao Ling, Zhang Guo-min, Sun Ji-xiang (2009) Shape Analysis of ST Segments in ECG Signal. Signal processing, 25, (9), http://d.wanfangdata.com.cn/Periodical_xhcl200909006.aspx*
359. *Dori G, Gershinsky M, Ben-Haim S, Lewis BS, Bitterman H (2009) Evaluating rest ECG amplitude changes using the ECG variability contour method. Computers in Cardiology, 36, pp. 837-840.*
360. *Filomena E, Aldonate J, Rubén A, Spinelli E (2009) Revisión sobre nuevas tendencias en la adquisición de biopotenciales. XVII Congreso Argentino de Bioingenieria, VI Jornadas de Ingenieria Clinica, 14-16 Octubre, Rosario, Argentina, pp 148-151, http://rosario2009.sabi.org.ar/uploadsarchivos/p148.pdf.*
361. *Author MA (2009) Fast computation and applications to ischemic detection from electrocardiograms of the dilated, discrete Hermite transform. 35th Annual Northeast Bioengineering Conference, Cambridge, MA, 3-5 April, pp. 189-190.*
362. *Hassan HH, Abraham TM, Joseph KP (2009) Fuzzy clustered probabilistic and multi layered feed forward neural networks for electrocardiogram arrhythmia classification. Online Journal of Medical Systems, pp 1-10, http://www.springerlink.com/content/1q6l172464437300/fulltext.html*
363. *Havmöller R, Carlson J, Holmqvist F, Olsson B, Platonov P (2009) Evolution of P-wave morphology in healthy individuals: A 3-year follow-up study. Annals of Noninvasive Electrocardiology, 14, (3), pp. 226-233.*
364. *Chudáček V, Georgoulas G, Lhotská L, Stylios C, Petrík M, Čepek M (2009) Examining cross-database global training to evaluate five different methods for ventricular beat classification. Physiological Measurement, 30, pp. 661-677.*
365. *Malik M, Hnatkova K, Schmidt A, Smetana P (2009) Electrocardiographic QTc changes due to Moxifloxacin infusion. J. of Clin. Pharmacology, 49, (6), pp. 674-683.*
366. *Серафим Табаков (2009) Ритъмен анализ на сърдечната дейност, приложим в автономни системи за мониториране. Дисертация за "Доктор", Техн. Унив. – София, 111 стр.*
367. *Manis G, Alexandridi A, Nikolopoulos S, Davos K (2009) The effect of white noise and false peak detection on HRV analysis, pp. 1-6, http://users.ntua.gr/nikiplos/hrv_noise_cr.pdf*
368. *Thomas Alexander Quinn (2008) Optimization of biventricular pacing for the treatment of acute ventricular. PhD thesis, 299 pages, http://search.proquest.com/docview/304650163?accountid=26415*
369. *Martínez A, Rossi E, Siri LN (2008) Simulador de ECG para aplicaciones educativas y clínicas. XII Jornadas Internacionales de Ingeniería Clínica y Tecnología Médica, 19-22 August, Parana, Argentina, 4 pages, http://www.bioingenieria.edu.ar/grupos/geic/biblioteca/archivos/Trabypres/T08EPAr08.pdf*
370. *Leny Juliana Muñoz Argote (2008) Análisis de componentes principales e independientes aplicados a reducción de ruido y unas señales electrocardiográfica. MS Thesis, Facultad de Ingenierías Eléctrica, Universidad Tecnológica de Pereira. 91 pages, http://recursosbiblioteca.utp.edu.co/tesisdigitales/texto/6213822M971a.pdf*

371. *Hnatkova K, Smetana P, Toman O, Bauer A, Schmidt G, Malik M (2009) Systematic comparisons of electrocardiographic morphology increase the precision of QT interval measurement. PACE - Pacing and Clinical Electrophysiology 32, (1), pp. 119-130*
372. *Muñoz J, Rivera J, Duque E (2008) Análisis de componentes principales e independientes aplicados a reducción de ruido en señales electrocardiograficas. Scientia et Technica, 14, (39), pp, 83-88.*
373. *Александр Николаевич Варнавский (2008) Способы и средства выявления нарушений ритма сердца на основе нелинейных преобразований электрокардиосигнала в режиме реального времени. Кандидат Технических Наук , Специальность: Приборы, системы и изделия медицинского назначения, Рязань, СССР, 184 страниц, http://www.dissercat.com/content/sposoby-i-sredstva-vyyavleniya-narushenii-ritma-serdtsa-na-osnove-nelineinykh-preobrazovanii*
374. *Edilson Delgado Trejos (2008) Generación y Extracción/Selección de Características en la Detección Automática de Isquemia y Deficiencias Valvulares sobre Registros de la Actividad Cardíaca. Tesis Doctor en Ingeniería, Departamento de Ingeniería Eléctrica, Electrónica y Computación, Universidad Nacional de Colombia Sede Manizales, 257 pages, http://www.digital.unal.edu.co/dspace/bitstream/10245/1479/1/edilsondelgadotrejos.2008.pdf.pdf*
375. *Μάρκο Τσίπουρας (2008) Ευφυεις μεθοδοι διαγνΩσης καρδιαγγειακΩν παθησεΩν. Τμημα Παηροφορικης, Department of Computer Science, University of Ioannina, Greece, 265 pages*
376. *Salim Graja (2008) Segmentation et classification de l'onde P d'un électrocardiogramme : détection d'un risque de fibrillation auriculaire. Docteur de l'ENST Bretagne, l'École Nationale d'Ingenieurs de Tunis, 237* pages, *http://portail.telecom-bretagne.eu/publi/public/download.jsp?id_publication=5301*
377. *Chudáček V, Petrík M, Huptych M, Lhotská L (2008) Fuzzy rule based decision tree classification of ECG Holter beats. pp. 242-253, In: Advanced Topics in Scattering and Biomedical Engineering, Eds: Charalambopoulos A, Fotiadis DI, Polyzos D, 389 pages.*
378. *Li Yan-jun, Yan Hong (2008) Comparison of familiar QRS detection approaches. Biomedicine Engineering Progress, 2, www.cnki.com.cn/Article/CJFDTotal-SHYC200802017.htm*
379. *Malik M, Hnatkova K, Novotny T, Schmidt G (2008) Subject-specific profiles of QT/RR hysteresis. Am J Physiol - Heart & Circulatory Physiol, 295, pp. H2356 - H2363.*
380. *Malik M, Hnatkova K, Sisakova M, Schmidt G (2008) Subject-specific heart rate dependency of electrocardiographic QT, PQ, and QRS intervals. Journal of Electrocardiology, 41, (6), pp. 491-497.*
381. *Kumari SS, Sadasivam V (2008) QRS complex detection using double density discrete wavelet transform. Biomedical Engineering: Applications, Basis and Communications, 20, (2), pp. 65-73.*
382. *Smrdel A, Jager F (2008) An algorithm to estimate the ST segment level in 24-hour ambulatory ECG records. Comp. in Card., 35, pp. 701-704.*
383. *Malik M, Hnatkova K, Schmidt A, Smetana P (2008) Accurately measured and properly heart-rate corrected QTc intervals show little day-time variability. Heart Rhythm, 5, (10), pp. 1424-1431.*
384. *Dori G, Bitterman H (2008) ECG variability contour - A reference for evaluating the significance of amplitude ECG changes in two states. Physiological Measurement 29 (8), pp. 989-997.*
385. *Malik M, Hnatkova K, Ford J, Madge D (2008) Near-thorough QT study as part of a first-in-man study. Journal of Clinical Pharmacology, Pharmacokinetics and Pharmacodynamics, 48, (10), pp. 1146-1157.*
386. *Dori G, Bitterman H (2008) ECG variability contour - a reference for evaluating the significance of amplitude ECG changes in two states. Physiol. Meas. 29, (8), pp. 989-997.*
387. *Albright CM; Quinn AT, Berberian G, Cabreriz SE, Garofalo CA, Weinberg AD, Dizo JM, Spotnitz HM (2008) Measurement of QRS duration for biventricular pacing optimization. Journal of the American Society for Artificial Internal Organs, 54, (4), pp. 335-341.*
388. *Илиев И (2008) Ограничаване на мрежовите смущения при телеметрично регистриране на биомедицински сигнали. Нац. конф. с межд. участие "Електроника 2008", 29-30 май, София, pp. 107-110*
389. *Dobrev D, Neycheva T, Mudrov N (2008) Bootstrapped two-electrode biosignal amplifier. Medical & Biological Engineering & Computing, 46, (6), pp. 613-619.*
390. *Shantha Selva Kumari (2007) ECG signal processing using wavelets. PhD thesis, Manonmaniam Sundaranar University, Tirunelveli, India, 134 pages, http://ir.inflibnet.ac.in:8080/jspui/bitstream/10603/61007/15/15_references.pdf*
391. *Franciso Ivan de Oliveira (2007) Transformada de Hilbert sobre bases de wavelets: detecção de complexo QRS. MS Thesis, Universidade Federal do Ceará, 210 pages, http://www.repositorio.ufc.br:8080/ri/bitstream/123456789/4068/1/2007_dis_fideoliveira.pdf*
392. *توتونچي ، حبيب رجبي مشهدي سان توكلي كاخكي، مهـ ، زينب السـ (2007) QRS هنيهـ زاسراكشآ يحارط تهجـ PSO و GA ييبيكرت متيروگلا ECG در لانگيسـ. First Joint Congress on Fuzzy and Intelligent Systems, Ferdowsi University of Mashhad, Iran, 29-31 August, http://confbank.um.ac.ir/modules/conf_display/isfs2007/article/i857.pdf*
393. *Kumari RSS, Sadasivam V (2007) Wavelet-based base line wandering removal and R peak and QRS complex detection. International Journal of Wavelets, Multiresolution and Information Processing, 5, (6), pp. 927 – 939.*
394. *Wang Hengdi, Zhu Jianmin, Liang Li, Shen Bo (2007) A simple and accurate algorithm for identifying the R waves. Journal of Biomedical engineering, 24, (5), pp.1019-1022.*

395. *Petrik M, Chudacek V, Lhotska L (2007) Generalization of rule-based decision tree to fuzzy intervals for ECG-beat clustering. IEEE Workshop on Machine Learning for Signal Processing, Thessaloniki, Greece, 27-29 August, pp. 205-210.*
396. *Martínez A, Rossi E (2007) Desarrollo e implementación de un simulator de señales electrocardiográficas. Proceedings of XVI Congreso Argentino de Bioingenieria SABI 2007, V Jornadas de Ingenieria Clinica, 26-28 September, pp. 1-10.*
397. *Shantha SKR., Sadavisam V (2007) Wavelet-based base line wandering removal and R peak and QRS complex detection. International Journal of Wavelets, Multiresolution and Information Processing, 5, (6), pp. 927-939.*
398. *Chudáček V, Petrík M, Georgoulas G, Čepek M., Lhotská L, Stylios C (2007) Comparison of seven approaches for holter ECG clustering and classification. 29th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Lyon, France, 22-26 Aug., pp. 3844 –3847.*
399. *Čepek M., Chudáček V, Petrík M, Georgoulas G, Stylios C, Lhotská L (2007) Comparison of inductive modeling method to other classification methods for Holter ECG. 2nd International Workshop on Inductive Modelling, Prague, September 23-26, pp.229-241, http://www.gmdh.net/articles/iwim/IWIM_33.pdf*
400. *Tsipouras MG, Voglis C, Fotiadis DI (2007) A framework for fuzzy expert system creation – application to cardiovascular diseases. IEEE Transaction on Biomedical Engineering, 54, (11), pp. 2089-2105.*
401. *- Silva H, Gamboa H, Fred A (2007) One lead ECG based personal identification with feature subspace ensembles. book chapter, pp. 770-783, In: Machine learning and data mining in pattern recognition, © Springer Berlin/Heidelberg, 913 pages*
402. *Mohebbi M, Moghadam HA (2007) Real-time ischemic beat classification using backpropagation neural network. IEEE 15th Signal Processing and Communications Applications Conference, 11-13 June, Eskisehir, Turkey, vol. 1-3, pp. 1252-1255.*
403. *Mohebbi M, Moghadam HA (2007) An algorithm for automated detection of ischemic ECG beats using support vector machines. IEEE 15th Signal Processing and Communications Applications Conference, 11-13 June, Eskisehir, Turkey, vol. 1-3, pp. 1256-1259.*
404. *Mohebbi M, Moghadam HA Teshnehlab, M. (2007) An automated system for on-line monitoring and detection of ST changes in ECG signal. IEEE 15th Signal Processing and Communications Applications Conference, 11-13 June, Eskisehir, Turkey, vol. 1-3, pp. 1236-1239.*
405. *Krasteva VT, Iliev IT (2007) Automatic analysis and visualization of multilead long-term ECG recordings. ed. Technical University – Sofia, Sixteenth International Conference Electronics 2007, Sozopol, 19–21 September, book 2, pp. 19-26.*
406. *Naydenov S, Donova T, Matveev M, Gegova A, Popdimitrova N, Zlateva G, Vladimirova D (2007) High-frequency electrocardiography: Optimizing the diagnosis of the acute myocardial infarct with ST-elevation. AIP Conference Proceedings, 899, pp. 819.*
407. *Havmoller R, Carlson J, Holmqvist F, Herreros A, Meurling CJ, Olsson B, Platonov P (2007) Age-related changes in P wave morphology in healthy subjects.BMC Cardiovascular Disorders, 7, 22, pp. 1-27, http://www.biomedcentral.com/content/pdf/1471-2261-7-22.pdf*
408. *Exarchos TP, Tsipouras MG, Exarchos CP, Papaloukas C, Fotiadis DI, Michalis LK (2007) A methodology for the automated creation of fuzzy expert systems for ischaemic and arrhythmic beat classification based on a set of rules obtained by a decision tree. Artificial Intelligence in Medicine, 40, (3), pp. 187-200.*
409. *Melco TC, Moscato LA (2007) Estudo do Eletrocardiograma sobre uma Abordagem Matemática. Boletins Técnicos, ISSN 1517-3526 BT/PMR/070, Departamento de Engenharia Mecatrônica e de Sistemas Mecânicos da Universidade de São Paulo, pp. 1-29, http://www.pmr.poli.usp.br/pmr/bt/BTPMR0707.pdf*
410. *Wang Hengdi, Zhu Jianmin, Lin Lifeng, Liang Li (2007) Lorenz plot and its application in automatic diagnoses of atrial fibrillation ECG signals. Journal of Biomedical Engineering, 24, (2), pp. 449-452, http://www.wanfangdata.com.cn/qikan/periodical.Articles/swyxgcx/swyx2007/0702/070245.htm*
411. *Kannathal, N, Acharya UR, Ng EYK, Min LC, Suri JS, Spaan JAE (2007) Data fusion of multimodal cardiovascular signals. Chapter 6, pp. 167-186, In: Advances in cardiac signal processing, Eds: Acharya UR, Suri J, Spaan JAE, Krishnan SM, © Springer Berlin Heidelberg, 468 pages.*
412. *Chudáček V, Lhotská L (2006) Decision tree for clustering holter ecg beats. European Symp. on BioMedical Engineering, 7-9 July, Patra, Greece, 2 pages*
413. *Tito Coutinho Melco (2006) Estudo do eletrocardiograma sobre uma abordagem matemática. Thesis, Departamento de Engenharia Mecatrônica e de Sistemas Mecânicos da Universidade de São Paulo, 100 pages, http://subversion.assembla.com/svn/enfasebccfrb/Material%20De%20pesquisa/TITOCOUTINHOMELCO.pdf*
414. *Exarchos TP, Papaloukas C , Fotiadis D (2006) A decision tree based approach for the identification of ischaemic beats in ECG recordings. pp. 312-319, In: Mathematical Methods in Scattering Theory and Biomedical Engineering, Eds: Fotiadis D, Massalas C, © World Scientific, 440 pages.*
415. *Antoun Khawaja (2006) Atomatic ECG analysis using principal component analysis and wavelet transformation. Disertation Doktor-Engenieurs, Universität Frediriciana Karlsruhe, Karlsruhe Transaction on Biomedical Engineering, **3**, pp.1-246, http://www.uvka.de/univerlag/volltexte/2007/227/pdf/Khawaja_Antoun.pdf*

416. *Fotiadis D, Likas A, Michalis L, Papaloukas C (2006) Electrocardiogram (ECG): Automated Diagnosis. Wiley Encyclopedia of Biomedical Engineering, Copyright © 2006 John Wiley & Sons, Inc., 4056 pages.*
417. *Antonicelli R, Fogliari R, Ripa C (2006) Nuove metodiche nella tele-assistenza domiciliare (home-care). Nuove Tecnologie in Medicina: Applicazioni Informatiche e Telematiche in Medicina, **6**, (1-2), pp. 5-10.*
418. *Михов Г. (2006) Електронни устройства, системи и методи за обектно-ориентирана обработка на сигнали за потискане на смущения и идентифициране на полезни компоненти. Хабилитационен труд за научно звание професор, Технически университет - София, Специализиран Съвет по Електронна и Компютърна Техника.*
419. *Jager F (2006) Introduction to feature extraction. In: Advanced methods and tools for ECG data analysis, Eds: Clifford GD, Azuaje F, McSharry PE, chapter 9, pp. 245-267.*
420. *Chudáček V, Georgoulas G, Stylios C, Staviař M, Hanuliak M, Lhotská L (2006) Comparison of methods for premature ventricular beat detection. Information Technology Applications in Biomedicine, ITAB 2006, 26-28 October, Ioannina, Greece, pp. 1-4. http://medlab.cs.uoi.gr/itab2006/proceedings/ECG%20&%20Bioimpedance/130.pdf*
421. *Даниел Цветанов (2006) Безжично предаване на биомедицински сигнали, Дисертация за Доктор, Технически университет – София.*
422. *Virgilio Valente (2006) Prototype of a portable ECG monitoring system (Holter monitor) with real time detection of beat abnormalities. Faculty of Engineering and Science, Department of Health Science and Technology, Aalborg University, Denmark, project report, pp. 1-68, http://www.hst.aau.dk/~vval04/Papers/report_master.pdf*
423. *Andreão RV, Dorizzi B, Boudy J (2006) ECG signal analysis through hidden Markov models. IEEE Transactions on Biomedical Engineering, 53, (8), pp. 1541-1549.*
424. *Матвеев М (2006) Инженерни подходи към оценката на сърдечния риск. Хабилитационен труд за научно звание ст.н.с. I ст., Българска Академия на Науките, Специализиран Съвет по Електронна и Компютърна Техника*
425. *Kannathal, N, Acharya UR, Ng EYK, Krishnan SM, Min LC, Laxminarayan, S. (2006) Cardiac health diagnosis using data fusion of cardiovascular and haemodynamic signals, Computer Methods and Programs in Biomedicine, 82 (2), pp. 87-96.*
426. *Matveev M., Prokopova R., Nachev Ch. (2006) Normal and Abnormal Circadian Characteristics in Autonomic Cardiac Control: New Opportunities for Cardiac Risk Prevention. Nova Science Publishers, Inc., New York, USA.*
427. *Exarchos TP, Papaloukas C, Fotiadis DI, Michalis LK (2006) An association rule mining based methodology for automated detection of ischemic ECG beats, IEEE Transactions on Biomedical Engineering, 53, (8), pp. 1531-1540.*
428. *Mohd Fadlee Rasi (2005) Multi-channel GPRS-based mobile telemedicine system with bluetooth and J2ME interface. PhD thesis, Loughborough University, UK, 196 pages, https://dspace.lboro.ac.uk/dspace-jspui/bitstream/2134/8019/2/488527.pdf*
429. *Sörnmo L, Laguna P (2005) Bioelectrical Signal Processing in Cardiac and Neurological Applications, eds: Sörnmo L, Laguna P, © Elsevier Inc., 689 pages.*
430. *Pawan M, Gaikwad K (2005) Development of a portable ECG and pulse oximeter. Synopsis Report, Department of Electronics, Shivaji University, Kolhapur, India, pp. 1-11, http://www.rkkamat.in/pawan.pdf*
431. *Jonas Carlson (2005) Exploration of supraventricular conduction with respect to atrial fibrillation. Methodological aspects on selected techniques. Doctoral Dissertation, Faculty of Medicine, Lund University, Sweden, http://luur.lub.lu.se/luur?func=downloadFile&fileOId=545701*
432. *Kenneth E, Rajendra AU, Kannathal N, Choo Min Lim (2005) Data Fusion of Multimodal Cardiovascular Signals, 27th Annual International Conference of the Engineering in Medicine and Biology Society, pp. 4689-4692.*
433. *Dobrev D, Neycheva T, Mudrov N (2005) Simple two electrode biosignal amplifier. Medical & Biological Engineering & Computing, 43 (6), pp. 725-730.*
434. *Carlson J, Havmöller R, Herreros A, Platonov P, Johansson R, Olsson B (2005) Can orthogonal lead indicators of propensity to atrial fibrillation be accurately assessed from the 12-lead ECG?, Oxford Journal of Europace, **7**, (s2), pp. s39-s48.*
435. *Jekova I, Krasteva V (2005) Fast Algorithm for Vectorcardiogram and Interbeat Intervals Analysis: Application for Premature Ventricular Contractions Classification, Bioautomation, **3**, pp. 82-93.*
436. *Exarchos TP, Papaloukas C, Fotiadis DI (2005) A novel methodology for myocardial ischaemia diagnosis using association rules. 3rd European Medical & Biological Engineering Conference, Editors: IEEE, Prague, Czech Republic, November, 2005. CD-ROM Article No 1545.*
437. *Chudáček V, Hanuliak M, Lhotská L (2005) Clustering of heartbeats for automated ECG Holter analysis, 3rd European Medical & Biological Engineering Conference, IEEE, Prague, Czech Republic, Editors: IEEE, November, 2005. CD-ROM Article No 2113.*
438. *Iliev I, Tsvetanov D, Matveev M, Naidenov S, Krasteva V, Mudrov N, (2005) Implementation of high resolution wireless ECG data acquisition system in intensive coronary care unit, International Conference on Advanced Information and Telemedicine Technologies for Health (AITTH2005), 8-10 November 2005, Minsk, Belarus, pp. 79-84.*

439. Matveev M, Naidenov S, Krasteva V, Mudrov N, Stoyanov T (2005) Assessment of the infarct size from high-resolution ECG computer based system. ed. Technical University – Sofia, Fourteen International Conference Electronics 2005, Sozopol, 21-23 September, book 4, pp. 55-60.
440. Liu Shaoying, Lu Jilai, Hao Li, Hu Guangshu (2004) Detection of QRS complex using mathematical morphology and wavelet transform. Journal of Tsinghua University (Natural Science), 06, DOI cnki: ISSN :1000-0054 .0.2004-06-034, http://www.cnki.com.cn/Article/CJFDTotal-QHXB200406034.htm
441. Rodrigo Varejão Andreão (2004) Segmentation de battements ECG par approche markovienne: Application à la détection d'ischémies. Tese de Doutorado (PhD), Institut National Des Télécommunications, INT, França.
442. Shouldice RBE (2004) Characteristic electrocardiograph intervals as indices of autonomic nervous activity, cardiorespiratory interplay and apnoea, PhD thesis, University College Dublin, Department of Electronic and Electrical Engineering.
443. Cardona JFR (2004) Reduccion en tiempo real de perturbaciones en se˜nales de ECG empleando la transformada Wavelet sobre DSP. Universidad Nacional de Colombia, Facultad de Ingenieria y Arquitectura, Departamento de Electricidad, Electronica y Computacion, Manizales, Colombia, pp. 1-108.
444. Mitov I (2004) A method for reduction of power line interference in the ECG, Medical Engineering and Physics, 26, (10), pp. 879-887.
445. Goletsis Y, Papaloukas C, Fotiadis DI, Likas A, LK Michalis (2004) Automated ischaemic beat classification using genetic algorithms and multicriteria decision analysis IEEE Transactions on Biomedical Engineering, 51, (10), pp. 1717-1725.
446. Smrdel A, Jager F (2004) Automated detection of transient ST-segment episodes in 24 h electrocardiograms, Medical & Biological Engineering & Computing 42, 3, pp. 303-311.
447. Martinez JP, Almeida R, Olmos S, Rocha AP, Laguna P (2004) A wavelet-based ECG delineator: Evaluation on standard databases. IEEE Transactions on Biomedical Engineering, 51, (4), pp. 570-581.
448. Митов И (2004) Метод за намаляване на мрежовите смущения в ЕКГ. Електротехника и Електроника, 5-6, pp. 39-47.
449. Cuesta-Frau D, Perez-Cortes JC, Andreu-Garcia G (2003) Clustering of electrocardiograph signals in computer-aided Holter analysis, Computer Methods and Programs in Biomedicine, 72, (3), pp. 179-196.
450. Papaloukas C, Goletsis Y, Fotiadis DI, Likas A, Michalis LK (2003) HySMID: An Ischemia Diagnosis system using genetic algorithms and multicriteria decision analysis, Computers in Cardiology, 30, pp. 343-346.
451. Goletsis Y, Papaloukas C, Fotiadis DI, Likas A, Michalis LK (2003) A multicriteria decision based approach for ischaemia detection in long duration ECGs, ITAB 2003: 4TH International IEEE Embs Special Topic Conference on Information Technology Applications in Biomedicine, New Solutions for New Challenges, pp. 173-176.
452. Jekova I, Stoyanov T (2003) Measurement of electrocardiogram parameters. Implementation in classification systems, ed. Technical University – Sofia, Twelfth International Conference Electronics 2003, Sozopol, 24-26 September, book 1, pp. 31-36.
453. Wang Heng-di, Tu Cheng-yuan (2002) Binarization algorithm for ECG signal based on Matlab. Journal of Beijing University of Technology, 4, DOI: cnki: ISSN :0254-0037 .0.2002-04-005, http://www.cnki.com.cn/Article/CJFDTotal-BJGD200204005.htm
454. Jen-Chang Su (2002) The sdudy and implementation of a light and portable wireless ECG device. Thesis, Electrical Engineering, National Cheng-Kung University,Tainan.
455. Dobrev D (2002) Two-electrode non-differential biopotential amplifier, Medical & Biological Engineering & Computing, 40, (5), pp. 546-549.
456. Papaloukas C, Fotiadis DI, Likas A, Michalis LK (2002) Use of a novel rule-based expert system in the detection of changes in the ST segment and the T wave in long duration ECGs. Journal of Electrocardiology, 35, (1), pp. 27-34.
457. Papaloukas C, Fotiadis DI, Likas A, Michalis LK (2002) An ischemia detection method based on artificial neural networks. Artificial Intelligence in Medicine, 24, (2), pp. 167-178.
458. Papaloukas C, Fotiadis DI, Likas A, Michalis LK (2001) A neural network methodology for ischemia detection in long duration electrocardiograms. 4th International Conference on Neural Networks and Expert Systems in Medicine and Healthcare, 20-22 June, Milos island, Greece, pp. 28-33.
459. Papaloukas C, Fotiadis DI, Liavas AP, Likas A, Michalis LK (2001) A knowledge-based technique for automated detection on ischemic episodes in long duration electrocardiograms, Medical & Biological Engineering & Computing, 39, (1), pp. 105-112.
460. Guillen JM, Millet J, Cebrian A (2001) Design of a prototype for dynamic electrocardiography monitoring using GSM technology: GSM-Holter. Proceedings of the 23rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society, vol.4, pp. 3956-3959.
461. Robert B Northrop (2001) Noninvasive Instrumentation and Measurement in Medical Diagnosis. Medical instruments and apparatus. © CRC Press, 525 pages
462. Gao Yan, Hu Yang (2001) An ECG waves separation technique based on mathematical morphology, Journal of Biomedical Engineering (生物医学工程学杂志), 18, (1), pp. 55-59.

463. *- Miguel Angel Flores Oceja (2000) Visualizacion de vectocardiografia en tres dimensiones. Proyecto 91320255, Ingenieria Biomedica, Ciencias Basicas e Ingenieria, Iztapalapa, Mexico, 20 pages, http://148.206.53.231/UAM21042.PDF*
464. *-Castellanos G, Puerta L, Rios A (2000) Filtracion digital para la reduccion en tiempo real de interferencias durante la adquisicion de señales de ECG. I Congreso Internacional de Ingenierías Eléctrica y Electrónica Ponencia, 27 marzo - 1 abril Manizales, Colombia, 9 pages, http://radiogis.uis.edu.co/gestion/Bliblioteca/UHF-GIS.Herencia2006Paolo/Material/ICIIEE2000/INFO_1/IMATRIV/papers/paper43.pdf*
465. *-Papaloukas C, Fotiadis DI, Likas A, Liavas AP, Michalis LK (2000) A robust knowledge-based technique for ischemia detection in noisy ECGs, KES2000: Fourth International Conference on Knowledge-Based Intelligent Engineering Systems & Allied Technologies, 1-2, pp. 768-771.*
466. *-Iliev I (2000) Signal acquisition module for emergency care monitoring system, Eighth National Conference on Biomedical Physics and Engineering (with international participation), Sofia, 12-14 October, pp. 44-46.*
467. *-Rogelio Centeno Rodriguez (1999) Cardiac bioelectric behavior: Real-time electrocardiogram simulation. MS thesis, California State University, Long Beach, US, 235 pages, http://search.proquest.com/docview/304584077?accountid=26415*
468. *-Jing Bai, Jianwu Lin (1999) A pacemaker working status telemonitoring algorithm, IEEE Transactions on Information Technology in Biomedicine, 3, (3), pp. 197-204.*
469. *-Karmali F (1999) Data fusion and analysis of multimodal cardiovascular and respiratory system signals for clinical diagnosis, PhD Thesis, University of Waterloo, Edmonton, Canada.*
470. *-Niederholz J (1999) Anwendungen der wavelet-transformation in übertragungssystemen (Applications of the wavelet transform in transmission systems), PhD Thesis, University of Duisburg, Department of Electrical Engineering, Germany, 172 pages.*
471. *-Wu Shuicai, Lin Jiarui, Deng Dongyun (1999) An optimum design of FIR bandpass filter for detecting ECG superposition trigger jitter. Beijing Biomedical Engineering, 18, (4), pp. 212-215.*
472. *-Zong-Cheng Ou (1999) Portable multi-lead ECG recorder with low-power analog front-end chip design. MS Thesis, Department of Electrical Engineering, Chung Hua University, 69 pages*

Christov I, Gómez-Herrero G, Krasteva V, Jekova I, Gotchev A, Egiazarian K (2006) Comparative study of morphological and time-frequency ECG descriptors for heartbeat classification. *Medical Engineering & Physics*, 28, (9), pp. 876-887.

473. *–Geetha A,Gopalakrishnan Nair TR, Asharani M (2016) Detection and identification of LBBB and RBBB rhythms in ECG waves using Gabor transform analysis. Int. J. of Advanced Networking Applications, Special Issue - 1st Int. Conf. on Innovations in Computing & Networking, 12-13 May, Bengaluru, India, pp.224-227, http://www.ijana.in/Special%20Issue/S48.pdf*
474. *–Sadeghi Z, Jazayeriy H, Fateri S (2016) A low complexity ANFIS approach for premature ventricular contraction detection based on backward elimination. J. of Advances in Computer Research, 7, (1), 35-48, http://jacr.iausari.ac.ir/article_17851_41e1ff4f79a7d87a716cc885f47312be.pdf*
475. *–Rezgui D, Lachiri Z (2016) ECG biometric recognition using SVM-based approach. Transactions on Electrical and Electronic Engineering, 11, (S1), S94-S100, http://onlinelibrary.wiley.com/doi/10.1002/tee.22241/full*
476. *–Andreotti F, Behar J, Zaunseder S, Oster J, Clifford G (2016) An open-source framework for stress-testing non-invasive foetal ECG extraction algorithms. Physiological Measurement, 37, (5), pp. 627-648.*
477. *-Mert A (2016) ECG feature extraction based on the bandwidth properties of variational mode decomposition. Physiological Measurement, 37, (4), 530.*
478. *-Hamed I, Owis MI (2016) Automatic arrhythmia detection using support vector machine based on discrete wavelet transform. J. of Medical Imaging and Health Informatics, 6, (1), pp. 204-209.*
479. *-Mateo J, Torres AM, Aparicio A, Santos JL (2016 in press) An efficient method for ECG beat classification and correction of ectopic beats, Computers & Electrical Engineering, doi:10.1016/j.compeleceng.2015.12.015*
480. *–Lin Liuh-Chii, Yeh Yun-Chi, Ho Kuei-Jung (2016) Simple electrocardiogram (ECG) signal analyzer for homecare system among the elderly. Technology and Health Care, 24, pp. S187–S193, doi: 10.3233/THC-151068; N1*
481. *-Bila J, Mironovova M (2015) Interpretation of new ECG signal shapes for diagnostics of cardio-vascular system. Int. Conf. on P2P, Parallel, Grid, Cloud and Internet Computing, 4-6 Nov, Krakow, Poland, pp. 386--391..*
482. *-Ali A, Haldar NAH, Khan FA, Ullah S (2015) ECG arrhythmia classification using Mahalanobis-Taguchi system in a body area network environment. IEEE Global Communications Conf. (GLOBECOM), 6-10 Dec., San Diego, USA, 7 pages.*
483. *-Chandrakar C, Sharma M (2015) Qualitative features selection techniques by profiling statistical features of ECG. Annual IEEE India Conf., 17-20 Dec., New Delhi, India, 6 pages.*
484. *-Chandrakar C, Sharma M (2015) A real time approach for classification of ECG beats using repetition-based pattern detection and cardiac profiling scheme. IEEE Int. Conf. on Computer, Communication and Control, 10-12 Sept., Indore, India, pp. 1-6.*
485. *-Chandrakar C, Sharma M (2015) A real time approach for classification of ECG beats using repetition-based pattern detection and cardiac profiling scheme. IEEE Int. Conf. on Computing, Communication and Security, 4-5*

Dec., Le MeridienPointe aux Piments, Pamplemousses, Mauritius, ISBN: 978-146739354-6, DOI: 10.1109/CCCS.2015.7374203; N29.

486. *-Chandrakar C, Sharma M (2015) A real time approach of cardiac profiling scheme for ECG beat classification using shared counters. IEEE Int. Conf. on Computer, Communication and Control, 10-12 Sept., Indore, India, pp. 1-6.*
487. *−Naval Kishore, Sukhmanpreet Singh (2015) Cardiac analysis and classification of ECG signal using GA and NN. Int. J. of Computer Applications, 127, (12), pp. 23-27, http://www.ijcaonline.org/research/volume127/number12/kishore-2015-ijca-906551.pdf*
488. *−Lin Liuh-Chii, Yeh Yun-Chi, Ho Kuei-Jung (2015) Simple electrocardiogram (ECG) signal analyzer for homecare system among the elderly. Technology and Health Care, 24, pp. S187-S193, http://content.iospress.com/download/technology-and-health-care/thc1068?id=technology-and-health-care%2Fthc1068*
489. *-Gomez S, Pamela D (2015) ECG beat classification using Support Vector Machine classifier, Int. J. of Advanced Research Trends in Engineering and Technology, Vol. II, Special Issue XXV, pp.329-335, ISSN: 2394-3777; N3, http://ijartet.com/index.php?option=com_login&task=download_volume_doc&fname=ICON15&foldertype=conference&id=519*
490. *-Huang Zhenwei (2015) Signal processing techniques for ECG analysis. PhD thesis, Institute of Telecommunication Engineering, National Taiwan University, 120 pages, http://www.airitilibrary.com/Publication/alDetailedMesh?docid=U0001-1507201509150700#Summary*
491. *−Banua U, Patil GM (2015) A survey on automatic ECG analyzing system. Nat. Conf on Recent Innovations in Engineering and Technology, 7-8 November, Indian J. of Sci. Res., 12, (1), pp. 246-251*
492. *−Castro D, Felix P, Presedo J (2015) A method for context-based adaptive QRS clustering in real-time, IEEE J. of Biomedical and Health Informatics, 19, (5), pp 1660-1671*
493. *−Jokanovic B, Amin M (2015) Reduced interference sparse time-frequency distributions for compressed observations. IEEE Transactions on Signal Processing, 63, (24), pp. 6698-6709.*
494. *−Rezgui D, Lachiri Z (2015) Human identification system based on ECG features. Int. J. of Biomedical Engineering and Technology, 19, (1), pp. 92-103*
495. *−Oussama BM, Saadi BM, Zine-Eddine HS (2015) Chebyshev polynomials transform for abnormalities detection using artificial neural network classifier. J. of Applied Engineering Research, 10, (14), pp. 34410-34415*
496. *−Shubhajit Roy Chowdhury (2015) High-resolution detection of sustained ventricular and supraventricular tachycardia through FPGA-based fuzzy processing of ECG signal, Medical & Biological Engineering & Computing, 53, (10), pp. 1037-1047.*
497. *-Moses D, Deisy C (2015) A survey of data mining algorithms used in cardiovascular disease diagnosis from multi-lead ECG data. Kuwait J of Sci, 42, (2), pp. 206-235*
498. *-Dewangan NH, Shukla SP (2015) A survey on ECG signal feature extraction and analysis techniques. Int. J. of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering. 3, (6), pp. 12-19*
499. *-Nabil D, Reguig FB (2015) Ectopic beats detection and correction methods: A review. Biomedical Signal Processing and Control, 18, pp. 228–244, ISSN: 1746-8094*
500. *-Tanantong T, Nantajeewarawat E, Thiemjarus S (2015) False alarm reduction in BSN-based cardiac monitoring using signal quality and activity type information, Sensors, 15, pp. 3952-3974, ISSN: 1424-8220.*
501. *-Kowshnik PP, Rani KU (2014) Ventricular arrhythmia classification by neural network classifier using wavelet transform features, Proc. ASAR International Conference, 14 May-2014, Mysore, India, ISBN: 978-93-84209-17-9, pp. 12-16; N10, http://www.iraj.in/up_proc/pdf/74-140014215112-16.pdf*
502. *- Lewandowski J (2014) Mobile application of Artificial Intelligence to vital signs monitoring: Multi-parametric, user-adaptable model for ubiquitous well-being monitoring, PhD Thesis, Coventry University, UK, 340 pages, https://curve.coventry.ac.uk/open/file/fc80e93c-1a7e-419d-84c7-eaed12d4a953/1/lewandowskicomb.pdf*
503. *-Varshney M, Chandrakar C, Sharma M (2014). Evaluation method for measuring statistical parameter of existing heartbeat classification method of ECG signal. i-Manager's Journal on Digital Signal Processing, 2, (1).*
504. *-Liuh-Chii Lin, Yun-Chi Yeh, Tsui-Yao Chu (2014) Feature selection algorithm for ECG signals and its application on heartbeat case determining. Int. J. of Fuzzy Systems, 16, (4), pp. 483-496.*
505. *-Othman AN, Sapuddin ME, Saaid MF, Ali Megat (2014) Evaluation of characteristic frequency features in healthy and diseased ECG via k-NN classifier. IEEE Conf. on Systems, Process and Control. 12-14 Dec., Kuala Lumpur, Malaysia, pp. 117-120*
506. *-Jalil Mohd, Saaid MF, Ahmad A, Ali Megat (2014) Arrhythmia modelling via ECG characteristic frequencies and artificial neural network. IEEE Conf. on Systems, Process and Control. 12-14 Dec., Kuala Lumpur, Malaysia, pp. 121-126*
507. *-Zhancheng Zhang, Xiaoqing Luo (2014) Heartbeat classification using decision level fusion. Biomedical Engineering Letters, 4, (4), pp. 388-395, ISSN: 2093-9868*
508. *-Shing-Tai Pan, Hung-Chin Chen, Tzung-Pei Hong, (2014) Automatic cardiac arrhythmias recognition from ECG signal based on hidden Markov model. Experimental & Clinical Cardiology, 20, (8), pp. 2672-2678*

509. -Kumar RG, KumaraswamyYS (2014) Feature selection in frequency domain for stationary ECG signal for ECG beat classification. Indian J. of Information Technology , 1, (1), pp. 1-13, ISSN 2347-3916, http://www.iaeme.com/MasterAdmin/UploadFolder/507201401010001-2/507201401010001-2.pdf
510. -Huifang Huang, Jie Liu, Qiang Zhu, Ruiping Wang, Guangshu Hu (2014) Detection of inter-patient left and right bundle branch block heartbeats in ECG using ensemble classifiers. BioMedical Engineering OnLine, 13, (72), 27 pages
511. -Das MK, Ari S (2014). Electrocardiogram beat classification using s-transform based feature set. J of Mechanics in Medicine and Biology, 14, (5), 18 pages, DOI: 10.1142/S0219519414500663
512. -Wei Liang, Yinlong Zhang, Jindong Tan, Yang Li (2014) A novel approach to ECG classification based upon two-layered HMMs in body sensor networks. Sensors, 14, (4), pp. 5994-6011
513. -Zhang Z, Dong J, Luo X, Choi KS, Wu X (2014) Heartbeat classification using disease-specific feature selection. Computers in Biology and Medicine, 46, (1), pp. 79-89.
514. - Peláez JI, Dona JM, Fornari JF, Sera G (2014) Ischemia classification via ECG using MLP neural networks Int. J. of Computational Intelligence Systems, 7, (2), pp. 344-352.
515. -Hoseini Sabzevari, Majid Moavenian (2014) QRS complex detection based on simple robust 2-D pictorial-geometrical feature. Journal of Medical Engineering & Technology, 38, (1), pp. 16-22
516. - Fornari JF, Peláez JI (2014) Bundle branch blocks classi fication via ECG using MLP neural networks. Advances in Intelligent Systems and Computing, 213, pp. 547-561.
517. -Fornari JF, Peláez JI (2014) Expert system of ischemia classification based on wavelet MLP. Knowledge Engineering and Management Advances in Intelligent Systems and Computing, 214, pp. 429-440.
518. -Nobakht M, Moghaddam JJ, Bagheri A (2013) Presenting a new strategy to extract data clustering heartbeat samples by using discrete wavelet transform. European Online J. of Natural and Social Sciences,2, (3), Special Issue on Accounting and Management, pp. 3419-3428, ISSN 1805-3602; N7, http://european-science.com/eojnss/article/view/2216/pdf
519. -Bakhshi AD (2013) Automatic detection and estimation of ECG repolarization (T wave) alternans, PhD Thesis, Department of Computer Science and Engineering, University of Engineering and Technology Lahore, Pakistan, 122 pages, http://prr.hec.gov.pk/Thesis/1731S.pdf
520. -Wang, (2013), Research on the Algorithm of Arrhythmia Classification, MSc Thesis, Shandong University, China, 75 pages, DOI: CNKI:CDMD:2.1013.222585; N70, http://lib.gardensmuseum.cn/auto/db/detail.aspx?db=950002&rid=223319&agfi=0&cls=0&uni=False&cid=0&gp=2&showgp=True&prec=False&md=5&pd=203&msd=5&psd=203&mdd=5&pdd=203&count=10&reds=%C9%FA%CE%EF%D2%BD%D1%A7%B9%A4%B3%CC
521. --Chu Xun Cui (2013) Heartbeat case determination using cluster analysis method on ECG signals. MS thesis, Ching Yun University of Science and Electronic Engineering, 35 pages, http://www.airitilibrary.com/Publication/alDetailedMesh?docid=U0022-0407201308442500
522. --Zhu Yiyun (2013) A simple and effective ECG signal analyzer: Linear Discriminant Analysis (LDA). MS thesis, Ching Yun University of Science and Electronic Engineering, 38 pages, http://www.airitilibrary.com/Publication/alDetailedMesh?docid=U0022-1807201315544900
523. - Jiang BC, Wen-Hung Yang, Chi-Yu Yang (2013) An SPC-based forward-backward algorithm for arrhythmic beat detection and classification. Industrial Engineering & Management System, 12, (4), pp.380-388, ISSN: 2234-6473.
524. -Shing-Tai Pan, Yan-Jia Chiou, Tzung-Pei Hong, Hung-Chin Chen (2013) Automatic recognition for arrhythmias with the assistance of Hidden Markov model. Int. Conf. on Information, Communications and Signal Processing, 10-13 Dec. Tainan, Taiwan, 5 pages
525. -Kumar GR, Kumaraswamy YS (2013) A neural network approach for cardiac arrhythmia classification. J. of Computing Science, 7, (1), pp. 62-72
526. - Kumar RG (2013) Performance analysis of soft computing techniques for classifying cardiac arrhythmia, Indian J. of Computer Science and Engineering, 4, (6), pp. 459-465, ISSN: 0976-5166, http://www.ijcse.com/docs/INDJCSE13-04-06-055.pdf
527. -Sambhu D, Umesh AC (2013) Automatic classification of ECG signals with features extracted using wavelet transform and support vector machines, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, 2,(1), pp.235-241, ISSN:2320–3765
528. -Christian Rockstroh (2013) Novel algorithms and rating methods for high-performance ECG classification. Dr of Sci thesis, Friedrich Alexander Universität, Erlangen Nürnberg, 232 pages, http://opus4.kobv.de/opus4-fau/files/4031/ChristianRockstrohDissertation.pdf
529. -Das MK, Ari S (2013) ECG arrhythmia recognition using artificial neural network with S-transform based effective features. IEEE India Conf., 13-15 December, Bombay, 6 pages, http://dspace.nitrkl.ac.in:8080/dspace/bitstream/2080/2034/1/indicon_2013.pdf
530. -Pachauri A, Bhuyan m (2013) Modeling of ECG using ABP and CVP signals: A system identification based approach. Int. J. of Engineering Science and Innovative Technology, 2, (6), pp. 321-330.

531. -Rabhi E, Lachiri Z (2013) Biometric personal identification system using the ECG signal. Computing in Cardiology, 40, pp. 507-510, ISSN: 2325-8861
532. -Sansone M, Fusco R, Pepino A, Sansone C (2013) Electrocardiogram pattern recognition and analysis based on artificial neural networks and support vector machines: A review. Journal of Healthcare Engineering, 4, (4), pp. 465-504.
533. -Amiruddin AI, Ali MSAM, Saaid MF, Jahidin AH, Noor MZH, (2013) Feature reduction and arrhythmia classification via hybrid multilayered perceptron network. IEEE Int. Conf. on System Engineering and Technology, 19-20 August, Shah Alam, Malaysia, pp 290-294
534. -Lee Seung Hwan, Ko Hyun-Chul, Yoon Young-Ro (2013) Classification of Ventricular arrhythmia using a support vector machine based on morphological features. IEEE Int. Conf. of Engineering in Medicine and Biology Society (EMBC), 3-7 July, Osaka, Japan, pp. 5785-5788.
535. -Pan Shing-Tai, Wu Yi-Heng, Kung Yi-Lan, Chen Hung-Chin (2013) Heartbeat recognition from ECG signals using hidden Markov model with adaptive features. 14th ACIS Int. Conf. on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing, 1-3 July, Honolulu, USA, pp. 586-591
536. -Javadi M (2013) Combining neural networks and ANFIS classifiers for supervised examining of electrocardiogram beats. Journal of Medical Engineering & Technology, 37, (8), pp. 484-497.
537. -Benali Radhwane (2013) Analyse du signal ECG par réseau adaptif d'ondelettes en vue de la reconnaissance de pathologies cardiaques. PhD thesis, Faculte de Technologie, Université Abou Bekr Belkaid, 140 pages, http://dspace.univ-tlemcen.dz/bitstream/112/2289/1/BENALI-Radhwane.pdf
538. -Zidelmal Z, Amirou A.,Ould-Abdeslam D, Merckle J (2013) ECG beat classification using a cost sensitive classifier. Computer Methods and Programs in Biomedicine, 8 pages, 111, (3), pp. 570-577.
539. -Orhan U (2013) Detection of arrhythmia from ECG signals by a robust approach to outliers. Przeglad Elektrotechniczny, 89, (7), pp. 81-85
540. -Igor Feigler (2013) Time frequency analysis of ECG signals. BSC Thesis, Faculty of Science, Masaryk University, Institute of Biostatistics and Analyses MU, Research Centre for Toxic Compounds in the Environment, Brno, Czech Republic, 65 pages, http://is.muni.cz/th/372231/prif_b/bsc_thesis.pdf
541. -Rabhi E, Lachiri Z (2013) SVM based on personal identification system using electrocardiograms. Int. Conf. on Control, Engineering & Information Technology, 1, 5 pages, http://ipco-co.com/presented%20papers/167.pdf
542. -Ali MSAM, Shaari NF, Julai N, Jahidin AH, Amiruddin AI, Noor MZH, Saaid MF (2013) Robust arrhythmia classifier using hybrid multilayered perceptron network. IEEE Int. Colloquium on Signal Processing and its Applications, 8-10 March, Kuala Lumpur, Malaysia, pp. 304-309
543. -Ghasemzadeh H, Ostadabbas S, Guenterberg E, Pantelopoulos A (2013) Wireless medical-embedded systems: A review of signal-processing techniques for classification. IEEE Sensors Journal, 13, (2), pp. 423 – 437, ISSN: 1530-437X
544. -Manpreet Kaur (2012) Analysis and interpretation of ECG signals. PhD thesis, Sant Longowal Institute of Engineering and Technology, Longowal, Punjab India, 209 pages, http://ir.inflibnet.ac.in:8080/jspui/handle/10603/43995
545. -Neophytos Neophytou (2012) ECG event detection & recognition using time-frequency analysis. MS Thesis, European Postgraduate Programme on Biomedical Engineering, Faculty of Electrical & Computer Engineering, University of Cyprus, 72 pages, http://nemertes.lis.upatras.gr/jspui/handle/10889/6151
546. -Shang Yu, Xu Ting (2012) ECG filtering algorithm using fractional Fourier transform domain. J. of Xi'an Technological University, 32, (10), 4 pages, http://www.cqvip.com/qk/97628a/201210/44608655.html
547. -Jonathan Woodbridge (2012) Medical Signal Searching. PhD Thesis, University of California, Los Angeles, USA. 114 pages, http://escholarship.org/uc/item/9sh6h1q5
548. -Kumar GR, KumaraswamyYS (2012) Investigation of support vector machine to assess cardiac arrhythmia. Int. Conf. on Advances in Computer and Electrical Engineering (ICACEE'2012), 17-18 November, Manila, Philippines, pp. 98-101
549. -Homaeinezhad MR, Ghaffari A, Rahmani R. (2012) Review: Multi-lead discrete wavelet-based ECG arrhythmia recognition via sequential particle support vector machine classifiers. Journal of Medical and Biological Engineering, 32, (6), pp. 381-396, ISSN: 1609-0985.
550. -Jorge Mateo Sotos (2012) Aplicación de redes neuronales artificiales en el procesado versátil de señales electrocardiográficas. PhD Thesis, Departamento de Ingeniería Electrónica, Universitat Politècnica de València. 251 pages, http://riunet.upv.es/bitstream/handle/10251/17530/tesisUPV3934.pdf?sequence=1
551. -Shing-Tai Pan, Tzung-Pei Hong, Hung-Chin Chen (2012) ECG signal analysis by using hidden Markov model. Int. Conf. on Fuzzy Theory and Its Application, 16-18 November, Taichung, Taiwan, pp. 288-293.
552. -Ronzhina M, Potocnak T, Janousek O, Kolarova J, Novakova M, Provaznik I (2012) Spectral and higher-order statistical analysis of the ECG: Application to the study of ischemia in rabbit isolated hearts. Computing in Cardiology, 39, pp. 645-648, ISSN 0276-6574.
553. -Kaur M, Arora AS (2012) Classification of ECG signals using LDA with factor analysis method as feature reduction technique. Journal of Medical Engineering & Technology, 36, (8), pp. 411-420, ISSN: 0309-1902

554. *-Mariano Llamedo Soria, (2012), Signal Processing for the Automatic Classification and Patient Adaptation in the Electrocardiogram. PhD Thesis, Instituto Universario de Investigacion en Ingeneria, University of Zaragoza, Spain, 172 pages, http://www.scribd.com/doc/102062690/Mariano-Llamedo-Soria-PhD-Thesis-University-of-Zaragoza*
555. *-Rabee A, Barhumi I (2012) ECG signal classification using support vector machine based on wavelet multiresolution analysis. Int. Conf. on Information Science, Signal Processing and their Applications (ISSPA), 2-5 July 2012, Montreal, Canada, pp. 1319 - 1323*
556. *-Xue Qin Chen, Rui Ping Wang (2012) The heartbeat classification based on PCA. Applied Mechanics and Materials, volumes 195-196, pp.402-406, ISSN: 1660-9336.*
557. *- Yun-Chi Yeh (2012) An analysis of ECG for determining heartbeat case by using the principal component analysis and fuzzy logic. Int. J. of Fuzzy Systems, 14, (2), pp. 233-241, ISSN: 1562-2479*
558. *-Llamedo M, Khawaja A, Martínez JP (2012) Cross-database evaluation of a multilead heartbeat classifier. IEEE Transactions on Information Technology in BioMedicine, 16, (4), pp. 658-664, ISSN: 1089-7771*
559. *-Zahia Zidelmal (2012) Reconnaissance d'arythmies cardiaques par support vector machines (SVMs). PhD Thesis, Faculté de Génic Elecrique et d'Informatique, Université Mouloud Mammeri, Tizi-Ouzou, Algérie, 145 pages, http://www.ummto.dz/IMG/pdf/These-Zidelmal.pdf*
560. *-Martin Chrobak (2012) Cluster analysis. MS Thesis, Department of Medical Engineering, Brno University of Technology, 71 pages, http://www.vutbr.cz/www_base/zav_prace_soubor_verejne.php?file_id=51181*
561. *-Chowdhury SR (2012) Field programmable gate array based fuzzy neural signal processing system for differential diagnosis of QRS complex tachycardia and tachyarrhythmia in noisy ECG signals. Journal of Medical Systems, 36, pp. 765-775, ISSN: 0148-5598*
562. *-Megat Ali MSA, Jahidin AH, Norali AN (2012) Hybrid multilayered perceptron network for classification of bundle branch blocks. Int. Conf. on Biomedical Engineering, 27-28 February, Penang, Malaysia, pp. 149-154, ISBN: 978-1-4577-1990-5.*
563. *-Blinowska KJ, Zygierewicz J (2012) Practical biomedical signal analysis using MATLAB ®. In: Series in Medical Physics and Biomedical Engineering, Ed. J Webster, CRC Press, © 2012 by Taylor & Francis Group LCC, ISBN: 1439812020, 291 pages.*
564. *-Shakibfar S, Graff C, Ehlers LH, Toft E, Kanters JK, Struijk JJ (2012) Assessing common classification methods for the identification of abnormal repolarization using indicators of T-wave morphology and QT interval. Computers in Biology and Medicine, 42, (4), pp. 485-491, ISSN: 0010-4825.*
565. *-Shih-Hao Liou, Yi-Heng Wu, Yi-Shun Syu, Yi-Lan Gong, Hung-Chin Chen, Shing-Tai Pan (2012) Real-time remote ECG signal monitor and emergency warning/positioning system on cellular phone. 4th Asian Conference on Intelligent Information and Database Systems, 19-21 March, Kaohsiung, Taiwan, In: Lecture Notes in Computer Science, eds: Goebel R, Tanaka Y, Wahlster W, © Springer, vol. 7198, pp. 336-345, ISBN 978-3-642-28492-2*
566. *-Kumar GR, KumaraswamyYS (2012) Investigating cardiac arrhythmia in ECG using random forest classification. International Journal of Computer Applications, 37, (4), pp.31-34, ISSN: 0952-8091.*
567. *-De Lannoy G, François D, Delbeke J, Verleysen M (2012) Weighted conditional random fields for supervised interpatient heartbeat classification. IEEE Transactions on Biomedical Engineering, 59, (1), pp. 241-247, ISSN: 0018-9294.*
568. *-Chen Y-H, Yu S-N (2012) Selection of effective features for ECG beat recognition based on nonlinear correlations. Artificial Intelligence in Medicine, 54, (1), pp. 43-52, ISSN: 0933-3657.*
569. *-Homaeinezhad MR, Atyabi AS, Tavakkoli E, Toosi HN, Ghaffari A, Ebrahimpour R. (2012) ECG arrhythmia recognition via a neuro-SVM–KNN hybrid classifier with virtual QRS image-based geometrical features. Expert Systems with Applications, 39, (2), pp. 2047-2058, ISSN: 0957-4174.*
570. *-Yun-Chi Yeh, Che Wun Chiou, Hong-Jhih Lin (2012) Analyzing ECG for cardiac arrhythmia using cluster analysis. Expert Systems with Applications,39, (1), pp.1000-1010, ISSN:0957-4174 doi:10.1016/j.eswa.2011.07.101*
571. *-Ying-Hsiang Chen, Sung-Nien Yu (2012) Selection of effective features for ECG beat recognition based on nonlinear correlations. Artificial Intelligence in Medicine, 54, (1), ISSN: 0933-3657.*
572. *-Kelvin Cheung (2011) ECG morphological features recognition and its effect to classification. PhD Thesis, Department of Applied Computer Technology, East China Normal University, China, 129 pages, DOI:CNKI:CDMD:1.1012.272492, N124, http://www.cgl.org.cn/auto/db/detail.aspx?db=950002&rid=1577501&agfi=0&cls=0&uni=True&cid=0&showgp=True&prec=False&md=93&pd=6&msd=93&psd=6&mdd=93&pdd=6&count=10&reds=waveform%3Bfeatures*
573. *-Megat Ali MSA, Jahidin AH, Norali AN, Mat Som MH (2011) Classification of bundle branch blocks using multilayered perceptron network. IEEE Int. Conf. on Control System, Computing and Engineering, 25-27 November, Penang, Malaysia, pp. 531-535, ISBN: 9781-45771-6416.*
574. *-Mateo J, Torres A, Rieta JJ (2011) An efficient method for ectopic beats cancellation based on radial basis function. Ann. Int. Conf. of IEEE Engineering in Medicine and Biology Society, 30 August - 3 September, Boston, USA, art. no. 6091756, pp. 6947-6950, ISBN: 978-142444121-1.*

575. *-Pantelopoulos A, Bourbakis N (2011) ECG beat classification using optimal projections in overcomplete dictionaries. IEEE 23rd Int. Conf. on Tools with Artificial Intelligence, 7-9 November, Boca Raton, Florida, USA, pp.1099-1105, ISBN: 978-0-7695-4596-7*
576. *-Yun-Chi Yeh, Tung-Chien Chiang, Hong-Jhih Lin (2011) Principal component analysis method for detection and classification of ECG beat. IEEE 11th Int. Conf. on Bioinformatics and Bioengineering, 24-26 October, Taichung, Taiwan, pp. 318-322, ISBN: 978-0-7695-4391-8*
577. *-Homaeinezhad MR, Tavakkoli E, Ghaffari A (2011) Discrete wavelet-based fuzzy network architecture for ECG rhythm-type recognition: Feature extraction and clustering-oriented tuning of fuzzy inference system. Int. J. of Signal Processing, Image Processing and Pattern Recognition, 4, (3), pp. 107-130, ISSN: 2005-4254.*
578. *-Raghavendra BS, Bera D, Bopardikar AS, Narayanan R (2011) Cardiac arrhythmia detection using dynamic time warping of ECG beats in e-healthcare systems. IEEE Int. Symp. on a World of Wireless, Mobile and Multimedia Networks, 20-23 June, Lucca, Italy, ISBN: 978-1-4577-0352-2*
579. *-de Lannoy G, Doquire G, François D, Verleysen M (2011) Feature selection for interpatient supervised heart beat classification. Computational Intelligence and Neuroscience online, DOI: 10.1155/2011/643816. ISSN: 1685-5265.*
580. *-Kamath C (2011) ECG beat classification using features extracted from teager energy functions in time and frequency domains. Signal Processing, 5, (6), pp. 575-581, ISSN:0165-1684*
581. *-Doquire G, de Lannoy G, François D, Verleysen M (2011) Feature selection for inter-patient supervised heart beat classification. BIOSIGNALS 2011 – Int. Conf. on Bio-Inspired Systems and Signal Processing , 26-29 January, Rome, Italy, pp. 67-73, ISBN 978-989-8425-35-5*
582. *-Mar T, Zaunseder S, Martínez JP, Llamedo M, Poll R (2011). Optimization of ECG classification by means of feature selection. IEEE Trans on Bomedical Engineering, 58, (8), pp. 2168-2177, ISSN: 0018-9294*
583. *-Homaeinezhad MR, Tavakkoli E, Afshar A, Atyabi SA, Ghaffari A (2011) Neuro-ANFIS architecture for ECG rhythm-type recognition using different QRS geometrical-based features. Iranian Journal of Electrical & Electronic Engineering, 7, (2), pp. 70-83, ISSN: 1735-2827.*
584. *-Homaeinezhad MR, Tavakkoli E, Atyabi SA, A. Ghaffari A, Ebrahimpour R (2011) Synthesis of multiple-type classification algorithms for robustly heart rhythm type recognizing: Neuro-svm-pnn learning machine with virtual QRS image-based geometrical features. Scientia Iranica, 18, 3, pp. 423-431, ISSN: 1026-3098.*
585. *-Homaeinezhad MR, Tavakkoli E, Habibi M, Atyabi SA., Ghaffari A (2011) Combination of different classifiers for cardiac arrhythmia recognition. World Academy of Science, Engineering and Technology, 75, pp. 1189-1200, ISSN: 2010-376X.*
586. *-Doquire G, de Lannoy G, François D, Verleysen M (2011) Feature selection for inter-patient supervised heart beat classification. Computational Intelligence and Neuroscience, 9 pages, ISSN: 1687-5265, on-line at: http://www.hindawi.com/journals/cin/2011/643816/*
587. *-Signes MT, Mora H, García JM (2011) A computational framework based on behavioural modelling: Application to the matching of electrocardiogram (ECG) recordings. Mathematical and Computer Modelling, 54 (7-8), pp. 1644-1649, ISSN: 0895-7177.*
588. *-de Lannoy G, Francois D, Delbeke J (2011) Weighted SVMs and feature relevance assessment in supervised heart beat classification. pp. 212-223, In: Biomedical Engineering Systems and Technologies, Eds: Fred A, Filipe J, Gamboa H, © Springer, 408 pages, ISBN: 9783642184710*
589. *-Llamedo M, Martínez JP (2011) Heartbeat classification using feature selection driven by database generalization criteria. IEEE Transactions on Biomedical Engineering, 58, (3), pp. 616-625, ISSN: 0018-9294.*
590. *-Hu F, Samachisa A, Lukowiak M, Philips D, Xiao Y, (2010) Low-power circuit design for cardiac data mining in medical sensor networks, pp. 853-882. In: Handbook On Sensor Networks, Ed: Yang Xiao, Hui Chen, Frank Haizhon Li, World Scientific Pub Co, 883 pages; ISBN-10: 981-283-730-2.*
591. *-Miad Faezipour (2010) Packet content inspection: Repetition-based methodologies and hardware implementation. PhD thesis, University of Texas at Dallas, 167 pages*
592. *-Nor Hafeezan Kamarudin (2010) Feature extraction and classification of electrocardiogram signal to detect arrhythmia and ischemia disease. MS Thesis, Faculty of Computer Science and Information Technology, University of Malaya, Singapore, 127 pages, http://dspace.fsktm.um.edu.my/xmlui/bitstream/handle/1812/960/MCS%20THESIS%20Nor%20Hafeezah.pdf?sequence=1*
593. *-Mohamed Ezzeldin A. Bashir, Gyeong Min Yi, Minghao Piao, Ho Sun Shon, Keun Ho Ryu (2010) Organizing the ECG classifier's training dataset with ensemble framework. 3rd Int. Conf. on Frontiers of Information Technology, Applications and Tools (FITAT), 28June-2 July, Yanji, China, pp. 1-4, http://www.sustech.edu/staff_publications/20111214053440255.pdf.*
594. *-Zaw Zaw Tun, Filist SA, Gorbatenko SA (2010) Программный модуль для кодирования QRS-комплексов на основе морфологических признаков. Биомедицинская радиоэлектроника. Биомедицинские технологии и радиоэлектроника, 2, pp. 24-29*

595. ✍-Mohamed Ezzeldin Abdelrahman Bashir (2010) Ultimate real-time cardiac monitoringwith prime hybride Technique: Trigger learning and ECG parameters tuning. PhD Research, Department of Computer Science, School of Electrical and Computing Engineering, Chungbuk National Universiry, 14 pages.
596. ✍-Homaeinezhad MR, Tavakkoli E, Habibi M, Atyabi SA., Ghaffari A. (2010) Combination of different classifiers for cardiac arrhythmia recognition. Int. J. Computer and Information Engineering, 4, (3), pp. 207-218.
597. ✍-Rosu D, Feier H, Streian GC, Atudoroaie I, Rosu S (2010) An extension of a Fourier series model for ECG simulation. Int. Conf. on Numerical Analysis and Applied Mathematics, 19-25 September, Rhodes, Greece, book series: AIP Conference Proceedings, vol. 1281, pp.1371-1374.
598. ✍-Pantelopoulos A, Bourbakis N (2010) Efficient single-lead ECG beat classification using Matching Pursuit based features and an artificial neural network. IEEE/EMBS Int. Conf. on Information Technology Applications in Biomedicine, 2-5 November, Corfu, Greece, ISBN: 978-142446560-6, DOI: 10.1109/ITAB.2010.5687731
599. ✍-Fang-Tsen Liu (2010) Subband decomposition methods for two leads electrocardiogram beat discrimination. MS Thesis, Department of Electrical Engineering, National Chung Cheng University, China, 58 pages
600. ✍-Wang Liping, Dong Jun (2010) The advance research and analysis of electrocardiogram pattern classification. Chinese Journal of Biomedical Engineering, 29, (6), pp. 916-925
601. ✍-Bing Nan Li, Mang I Vai, Mimg Chui Dong (2010). Computerized interpretation of cardiovascular physiological signals, pp. 137-168. In: Advances in Decision Support Systems, Ed: Ger Devlin, Publisher: InTech, 342 pages.
602. ✍-Signes MT, Mora H, García JM (2010) Computational framework based on behavioural modelling: Application to the matching of ECG recordings, pp. 203-208, In: Modelling for addictive behavior, medicine and engineering, Ed: Jódar L, Instituto de Matemática Multidisciplinar, Universidad Politecnica de Valencia, 209 pages
603. ✍-Wang Liping, Zhu Jiangchao, Shen Mi, Liu Xia, Dong Jun (2010) An electrocardiogram classification method combining morphology features. Chinese Conf. on Pattern Recognition, 21-23 October, Chongqing, China DOI: 10.1109/CCPR.2010.5659254, pp. 940-944
604. ✍-Dutta, S., Chatterjee A., Munshi, S (2010) Correlation technique and least square support vector machine combine for frequency domain based ECG beat classification. Medical Engineering and Physics, 32, (10), pp. 1161-1169.
605. ✍-Bakhshi AD, Maud MA, Aamir KM, Asim L (2010) Cardiac arrhythmia detection using instantaneous frequency estimation of ECG signals. Int. Conf. on Information and Emerging Technologies, 14-16 June, Karachi, Pakistan, art No 5625733, pp. 1-5.
606. ✍-Alexandros Pantelopoulos (2010) Prognosis: A wearable system for health monitoring of people at risk. PhD Thesis, Department of Computer Science & Engineering, Wright State University, Dayton, Ohio, USA, 242 pages, http://etd.ohiolink.edu/send-pdf.cgi/Pantelopoulos%20Alexandros%20A.pdf?wright1284754643
607. ✍-Homaeinezhad MR, Ghaffari A, Akraminia M, Atarod M, Daevaeiha MM (2010) Detection and classification of heart premature contractions via α-level binary Neyman-Pearson radius test: A comparative study. Iranian Journal of Electrical & Electronic Engineering, 6, (3), pp. 129-148
608. ✍-Faezipour M, Saeed A, Bulusu SC, Nourani M, Minn H, Tamil L (2010) A patient-adaptive profiling scheme for ECG beat classification. IEEE Transactions on Information Technology in Biomedicine, 14, (5), pp. 1153-1165
609. ✍-Yun-Chi Yeh, Wen-June Wang, Che Wun Chiou (2010) A novel fuzzy C-means method for classifying heartbeat cases from ECG signals. Measurement, Journal of the Int. Measurement Confederation, 43, (10), pp. 1542-1555.
610. ✍-Mohamed Ezzeldin A. Bashir, Dong Gyu Lee, Makki Akasha, Gyeong Min Yi, Eun-jong Cha, Jang-whan Bae, Myeong Chan Cho, Keun Ho Ryu. (2010) Highlighting the current issues with pride suggestions for improving the performance of real time cardiac health monitoring. In: Lecture Notes in Computer Science, Eds: Khuri S, Lhotská L, Pisanti N, © Springer-Verlag, vol 6266, pp. 226-233
611. ✍-Yeh Y-C, Lin H-J (2010) Cardiac arrhythmia diagnosis method using fuzzy C-means algorithm on ECG signals. Int. Symposium on Computer, Communication, Control and Automation 5-7 May, Tainan, Taiwan, 1, pp. 272-275.
612. ✍-Hamadicharef B, Ifeachor EC (2010) Biopattern FP6 Project: A Bibliometric Analysis. In: Biopattern network of Excellence. Computational Intelligence for Biopattern Analysis in Support of eHealthcare, http://www.tech.plymouth.ac.uk/spmc/biopattern/Publications.html
613. ✍-Mariano Llamedo Soria (2010) Clasificación de latidos del ECG basada en características robustas de la transformada wavelet. MS Thesis, Instituto de Investigación en Ingeniería de Aragón, Universidad de Zaragoza, 48 pages
614. ✍-Ghaffari A, Homaeinezhad MR, Akraminia M (2010) Discrimination of the heart ventricular and atrial abnormalities via a wavelet-aided adaptive network fuzzy inference system (ANFIS) classifier. Iranian Journal of Electrical & Electronic Engineering, 6, (1), pp. 1-19.
615. ✍-Hsiao-Lung Chan, Chun-Li Wang, Shih-Chin Fang, Pei-Kuang Chao, Jyh-Da Wei (2010) Recognition of ventricular extrasystoles over the reconstructed phase space of electrocardiogram. Annals of Biomedical Engineering, 38, (3), pp. 813-823.
616. ✍-de Lannoy G, François D, Delbeke J, Verleysen M (2010) Feature relevance assessment in automatic inter-patient heart beat classification. Int. Conf. on Bio-inspired Systems and Signal Processing, 20-23 January, Valencia, Spain, pp. 13-20.

617. ✍-Yun-Chi Yeh, Wen-June Wang, Che Wun Chio (2010) Feature selection algorithm for ECG signals using Range-Overlaps Method. Expert Systems with Applications, 37, (4), pp. 3499-3512.
618. ✍-Chia-Mao Weng (2009) Analysis of electrocardiogram based on ARMAX model approach. MS thesis, Institute of Electrical Engineering Chung Hua University, Taiwan, 57 pages, http://chur.chu.edu.tw/bitstream/987654321/2662/1/GM095010580.pdf
619. ✍-Maatar D, Lachiri Z (2009) Classification automatique d'arythmies par HMM utilisant les parametres morphologiques dans l'ECG. Conférence Traitement et Analyse de l'Information Méthodes et Applications, 4-9 May, Hammamet, Tunisia, art No T0916, 7 pages, http://taima.arts-pi.org.tn/articles/taima-classification-automatique-d-arythmies.pdf
620. ✍-Chalabi Z, Boudjemaoui A, Saadia L, Berrached N (2009) Détection et classification automatiques d'arythmies cardiaques. 5th Int. Conf. on Sciences of Electronic, Technologies of Information and Telecommunications, SETIT 2009, March 22-26, Tunisia, pp. 1-12, http://www.setit.rnu.tn/last_edition/setit2009/Signal%20Processing/142.pdf
621. ✍-Wu Wen, Chen Hongbo, Wu Zongming, Laixing Han, Lee Ping Xuan (2009) Development of signal-processing toolbox. Project, Electrical and Mechanical Services Department, National University of Taiwan, pp. 21-26, http://www.mt.ntnu.edu.tw/plan02/doc/%E5%B0%88%E9%A1%8Cfinal981228.pdf
622. ✍-Zhao Y, Hong W, Xu Y, (2009) ECG beats feature extraction based on geometric algebra. Int. Conf. on Computational Intelligence and Software Engineering, 11-13 December, Wuhan, China, DOI: 10.1109/CISE.2009.5364462, ISBN: 978-142444507-3, Article number 5364462;
623. ✍-Yun-Chi Yeh, Hong-Jhih Lin (2009) Feature selection scheme: Range-intersection method. Journal of Ching-Yun University, 29, (2), pp. 33-58
624. ✍-Yun-Chi Yeh, Wen-June Wang, Che Wun Chiou (2009) Heartbeat case determination using fuzzy logic method on ECG signals. International Journal of Fuzzy Systems, 11, (4), pp. 250-261, http://www.ijfs.org.tw/ePublication/2009_paper_4/ijfs09-4-r-4_IJFS_template-0907-proof%20ok-.pdf
625. ✍-Hsiao-Lung Chan, Shih-Chin Fang, Pei-Kuang Chao, Chun-Li Wang, Jyh-Da Wei (2009) Phase-space reconstruction of electrocardiogram for heartbeat classification. World Congress on Medical Physics and Biomedical Engineering, 7 - 12 September, Munich, Germany, In: IFMBE Proceedings, Eds: Dössel O, Schlegel WC, 25 (4), pp.1234-1237.
626. ✍-Ge D-F, Sun L-H, Wen X-J (2009) Detection of myocardial infarction based on Frank leads and Hermite expansion. Jiliang Xuebao/Acta Metrologica Sinica, 30, (6), pp. 551-554.
627. ✍-Huptych M, Lhotská L (2009) ECG beat classification using feature extraction from wavelet packets of R wave window. World Congress on Med. Phys. and Biomed. Eng., 7 – 12 September, 2009, Munich, Germany, book serees: IFMBE Proceedings, © Springer Berlin Heidelberg, 25, (4), pp. 2257-2260.
628. ✍-Chudáček V, Lhotská L, Georgoulas G, Stylios C (2009) Is it possible to distinguish different types of ECG-holter beats based solely on features obtained from windowed QRS complex? World Congress on Med. Phys. and Biomed. Eng., 7 – 12 September, 2009, Munich, Germany, book serees: IFMBE Proceedings, © Springer Berlin Heidelberg, 25, (4), pp. 918-921.
629. ✍-Yun-Chi Yeh (2009) Simple and effective QRS complexes detection scheme and its application on cardiac arrhythmia diagnosis by ECG signals. PhD thesis, 94 pages, http://thesis.lib.ncu.edu.tw/ETD-db/ETD-search/view_etd?URN=92541020
630. ✍-Chudacek V, Georgoulas G, Huptych M, Stylios C, Lhotska L (2009) Discriminating between V and N beats from ECGs introducing an integrated reduced representation along with a neural network classifier. 19th Int. Conf. on Artificial Neural Networks, In: Lecture Notes in Computer Science, © Springer Berlin /Heildelberg, pp 485-494.
631. ✍-John Darrington (2009) Real time extraction of ECG fiducial points using shape based detection. PhD thesis, University of Western Australia, 143 pages, http://people.csse.uwa.edu.au/jmd/thesis.pdf.
632. ✍-Chudáček V, Georgoulas G, Lhotská L, Stylios C, Petrík M, Čepek M (2009) Examining cross-database global training to evaluate five different methods for ventricular beat classification. Physiological Measurement, 30, pp. 661-677.
633. ✍-Серафим Табаков (2009) Ритъмен анализ на сърдечната дейност, приложим в автономни системи за мониториране. Дисертация за "Доктор", Техн. Унив. – София, 111 стр.
634. ✍-Yun-Chi Yeh, Wen-June Wang, Che Wun Chiou (2009) Cardiac arrhythmia diagnosis method using linear discriminant analysis on ECG signals. Mesurement: Journal of the International Measurement Confederation, 42, (5), pp. 778-789.
635. ✍-Lhotská L, Chudáček V, Huptych M (2009) ECG dataprocessing, Chapter VII, pp. 137-160, In: Data Mining and Medical Knowledge Managemen, Eds: Berka P, Rauch J, Zighed DA, © Idea Group Inc, 467 pages.
636. ✍-Mehta SS, Lingayat NS (2009) Identification of QRS complexes in 12-lead electrocardiogram. Expert Systems with Applications, 36, (1), pp. 820-828.
637. ✍-Sung-Nien Yu, Ying-Hsiang Chen (2009) Noise-tolerant electrocardiogram beat classification based on higher order statistics of subband components. Artificial Intelligence in Medicine, 46, (2), pp. 165-178.
638. ✍-Ying-Hsiang Chen (2008) Subband decomposition methods for electrocardiogram beat discrimination. PhD Thesis, Institute of Electrical Engineering, 129 pages,

639. *Besrour R, Lachiri Z, Ellouze N (2008) ECG beat classifier using support vector machine. 3rd Int. Conf. on Information and Communication Technologies: From Theory to Applications, ICTTA 2008, 7-11 April, pp. 1-5.*
640. *Wen Hsiubg Lin (2008) ECG signal detection via PDA phone. MS Thesis, Chang Gung University, 72 pages, http://ndltd.ncl.edu.tw/cgi-bin/gs32/gsweb.cgi/login?o=dnclcdr&s=id=%22096CGU05442048%22.&searchmode=basic*
641. *Li Sheng-ian, Xin Ji-bin, Mo Mei-qi, Xu Yi-xin (2008) Diagnosis model for arrhythmia using QRS complex. Progress in Biomedical Engineering, 29, 4, http://d.wanfangdata.com.cn/Periodical_shswyxgc200804004.aspx*
642. *Almeida R, González R, Rodríguez G, Rodríguez A, Pina N (2008) Evaluación de los algoritmos de análisis desarrollados para el sistema de monitoreo electrocardiográfico ambulatorio EXCORDE 3C. Bioingeniería y Física Médica Cubana, 9,(3), pp. 21-24, http://bvs.sld.cu/revistas//bfm2/Volumenes%20anteriores.pdf/Vol9/no3/icid04308.pdf*
643. *Yong Z, Wenxue H, Yonghong X, Jianxin C (2008) ECG beats classification based on ensemble feature composed of independent components and QRS complex width. Int. Conf. on Computer Science and Software Engineering, December 12-14, Wuhan, China, pp. 868-871.*
644. *Yang WH, Jiang BC, Yen SY (2008) Combining forward-backward RR interval detector with arrhythmic beat classification in ECG signals. 38th International Conference on Computers and Industrial Engineering, October 31 - November 02, Beihang Univ, Beijing, China, vol. 1-3, pp. 2235-2243.*
645. *Mehta SS, Lingayat NS (2008) SVM-based algorithm for recognition of QRS complexes in electrocardiogram. Ingenierie et Recherche Biomedicales, 29, (5), 310-317.*
646. *Čepek M, Ŝnorek M, Chudáček V (2008) ECG signal classification using GAME neural network and its comparison to other classifiers. Lecture Notes in Computer Science, part 1, pp. 768-777*
647. *De Oliveira LSC, Andreão RV, Sarcinelli-Filho M (2008) Classification of premature ventricular beat using Bayesian networks. 1st International Conference on Health Informatics, 28-31 January, Madeira, Portugal, pp. 186-191.*
648. *Besrour R, Lachiri Z, Ellouze N (2008) ECG beat classi1fier using support vector machine. 3rd International Conference on Information and Communication Technologies: From Theory to Applications, ICTTA 2008, 7-11 April, pp. 1-5.*
649. *Mehta SS, Lingayat NS (2008) Detection of QRS complexes in electrocardiogram using support vector machine. Journal of Medical Engineering and Technology 32, (3), pp. 206-215.*
650. *Chouhan VS, Mehta SS (2008) Detection of QRS complexes in 12-lead ECG using adaptive quantized threshold. International Journal of Computer Science and Network Security, 8, (1), pp. 155-163.*
651. *Darrington J, Hool L (2008) A new methodology for the performance of heartbeat classification systems. BMC Medical Informatics and Decision Making, 8, 7, pp. 1-15, http://www.biomedcentral.com/content/pdf/1472-6947-8-7.pdf.*
652. *Mehta SS, Lingayat NS (2008) Combined entropy based method for detection of QRS complexes in 12-lead electrocardiogram using SVM. Computers in Biology and Medicine, 38, (1), pp. 138-145.*
653. *Shao-Yong Yen (2007) The ECG features detection and arrhythmia classification system. MS Thesis, Department of Industrial Engineering and Management, Yuan Ze University, 98 pages, http://etds.yzu.edu.tw/etdservice/detail?n=1&list=1%A1B&etdun1=U0009-2407200710212400*
654. *Krishnatej Vedala (2007) QRS Detection / Average Beat. Individual Project 2, Department of Electrical and Computer Engineering, Florida International University, USA, pp.1-24, http://web.eng.fiu.edu/~kveda001/Files/BSP/ECG_Report.pdf*
655. *Dong Jun, Xu Miao, Zhan Congming, Lu Weifeng (2007) ECG Recognition and classification: Approaches, problems and new method. Journal of Biomedical Engineering, 24, (6), pp. 1224-1229. http://www.wanfangdata.com.cn/qikan/periodical.Articles/swyxgcx/swyx2007/0706/070605.htm*
656. *Mehta SS, Lingayat NS (2007) Comparative study of QRS detection in single lead and 12-lead electrocardiogram using support vector machine. J of Theoretical and Applied Information Technology, pp. 8-18.*
657. *Čepek M., Chudáček V, Petrík M, Georgoulas G, Stylios C, Lhotská L (2007) Comparison of inductive modeling method to other classification methods for Holter ECG. 2nd International Workshop on Inductive Modelling, Prague, September 23-26, pp.229-241, http://www.gmdh.net/articles/iwim/IWIM_33.pdf.*
658. *Mehta SS, Lingayat NS (2007) Support vector machine for cardiac beat detection in single lead electrocardiogram International Journal of Applied Mathematics, 36, (2), Advance online publication: http://www.iaeng.org/IJAM/issues_v36/issue_2/IJAM_36_2_4.pdf*
659. *Alexandru Samachisa (2007) Investigating the effects of an on-chip pre-classifier on wireless ECG monitoring. MS Thesis, Rochester Institute of Technology, Rochester, New York, https://ritdml.rit.edu/dspace/bitstream/1850/4820/1/ASamachisaThesis08-2007.pdf*
660. *Mehta SS, Lingayat NS (2007) Development of entropy based algorithm for cardiac beat detection in 12-lead electrocardiogram. Signal Processing, 87, (12), pp. 3190-3201.*
661. *Mehta SS, Lingayat NS (2007) Comparative study of QRS detection in single lead and 12-lead ECG based on entropy and combined entropy criteria using support vector machine. Journal of Theoretical and Applied Information Technology, **3**, (2), pp. 8-18, http://jatit.org/volumes/research-papers/Vol3No2/2vol3.pdf*

662. *-Chen Jiande (2006) The detection of the R wave of electrocardiogram based on concept of slope. MS Thesis, Department of Industrial Engineering and Management, Yuan Ze University, 102 pages*
663. *-Hang Sik Shin, Chungkeun Lee, Myoungho Lee (2006) Principal point disrimination of electrocardiogram for automatic diagnosis. World Congress on Medical Physics and Biomedical Engineering, 27 August - 1 September, Seoul, Korea, Eds: Sun I Kim, Tae Suk Suh, © Springer, 2, pp. 1087-1090.*
664. *-Людмила Тодорова (2006) Система за анализ на състоянието на пациенти при отвикване от продължителна механична вентилация, Дисертация за Доктор, ЦЛБМИ, БАН.*

Levkov Ch, Mihov G, Ivanov R, Daskalov I, Christov I, Dotsinsky I (2005) Removal of power-line interference from the ECG: a review of the subtraction procedure. Biomedical Engineering Online, 4, 50, http://www.biomedical-engineering-online.com/content/4/1/50

665. *-Galloway CDC, Albert DE (2016) Electrocardiogram signal detection. US Patent US9254095 B2, https://www.google.com/patents/US9254095*
666. *-Albert DE, Wade J (2016) Systems and methods for processing and analyzing medical data. US Patent US9254092 B2, https://www.google.com/patents/US9254092*
667. *-Albert DE (2016) Two electrode apparatus and methods for twelve lead ECG. US Patent US9351654 B2, https://www.google.com/patents/US9351654*
668. *-Galloway CDC, Valys AV, Hughes NP, Albert DE (2016) Devices and methods for real-time denoising of lectrocardiograms. US Patent US9247911 B2, https://www.google.com/patents/US9247911*
669. *-Pereira,F, Carvalho V, Soares F, Machado J, Bezerra K, Silva R, Matos D (2016) Development of a medical care terminal for efficient monitoring of bedridden subjects. J. of Engineering, vol. 2016, 9 pages, http://downloads.hindawi.com/journals/je/2016/3591059.pdf .*
670. *- Aggarwal N, Singh BA (2016) Review of techniques for foetal electrocardiogram extraction. Communications on Applied Electronics, 4, (9), pp. 41-47.*
671. *-Nishant Aggarwal, Butta Singh (2016) A review of techniques for foetal electrocardiogram extraction. Communications on Applied Electronics, 4, (9),*
672. *- Lobabi-Mirghavami H, Abdali-Mohammadi F, Fathi A (2016) A novel grammar-based approach to atrial fibrillation arrhythmia detection for pervasive healthcare environments. Journal of Computing and Security, 2, (2), pp. 155-163.*
673. *-Bhoi AK, Sherpa KS, Khandelwal B (2016) Baseline drift removal of ECG signal: Comparative analysis of filtering techniqes. Chapter 8, pp. 134-152, In: Research advances in the integration of big data and smart computing, Ed: Mallick PK, © IGI Global, 380 pages*
674. *- Blizard B, Youngquist M (2016) System and methods for constructing a noise replica. US Patent No 9,294,139, http://www.freepatentsonline.com/9294139.pdf*
675. *-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*
676. *-Tomasini M, Benatti S, Milosevic B, Farella E, Benini L (2016) Power line interference removal for high quality continuous bio-signal monitoring with low-power wearable devices. IEEE Sensors J., 99, DOI: sastr10.1109/JSEN.2016.2536363*
677. *-Limaye MH, Deshmukh MV (2016) ECG noise sources and various noise removal techniques: A survey. Int. J. of Application or Innovation in Engineering & Management, 5, (2), pp. 86-92, http://www.ijaiem.org/Volume5Issue2/IJAIEM-2016-02-25-22.pdf*
678. *-Bhaskar PC, Uplane MD (2015) FPGA based digital FIR multilevel filtering for ECG denoising. Int. Conf. on Information Processing, 16-19 Dec., Pune, India, pp. 733-738.*
679. *-Wang W (2015) The tracking and reconstructing for sharp spikes of biomedical signals: An exploration for applications of tracking-differentiators. Int. Conf. on Biomedical Engineering and Informatics, 14-16 Oct., Shenyang, China, pp. 245-249.*
680. *-Abdul Samad Noraini (2015) Signal interference to electroencephalogram and electrocardiogram signal.* MS *thesis, Universiti Teknologi Malaysia, 98 pages, http://eprints.utm.my/50677/*
681. *-Hurezeanu B, Tarălungă D, Strungaru R, Gussi I, Wolf V, Ungur M (2015) Robust fetal heart beat detection by applying stationary wavelet transform. Scientific Bulletin University Politehnica of Bucharest, 7, (4), pp. 273-284*
682. *-Kumar LA, Vigneswaran C (2015) Electronics in textiles and clothing: Design, products and applications. Book, CRC Press, Taylor and Francis Group, 415 pages*
683. *-Fasano A, Villani V (2015) Fast and effective estimation of narrowband components for bioelectrical signals. 37th IEEE Conf. of Engineering in Medicine and Biology Society, 25-29 August, Milan, Italy, pp. 7841-7844.*
684. *-Dev R, Singh AK (2015) Distortion analysis of EMG signal using LabVIEW as an effective tool. Int. J. of Biomedical Engineering and Technology, 19, (2), pp. 187-204*
685. *-Bhoi AK, Sherpa KS, Phurailatpam D, Tamang JS (2015) Multidimensional approaches for noise cancellation of ECG signal. Int. Conf. on Communication and Signal Processing, 2-4 April, Melmaruvathur, India, pp. 60-64.*
686. *- Tan Beihai, Lin Jinrong, Li Weijun, Cai Kun (2015) A discriminant method of blind source separation based on FECG correlations. Int. Conf. on Information Science and Technology, 24-26 April, Changsha, China, pp. 269-275*

687. ✍-Dobrev DP, Neycheva TD (2015) Adaptive incremential estimation filter for AC noise in electrocardiograsm. Ann J of Electronix, pp. 14-17.
688. ✍-Dobrev DP, Neycheva TD (2015) Software PLL for power-line interference synchronization: Implementation and results. Ann J of Electronix, 9, pp. 18-21.
689. ✍- Li TJ, Li TH (2015) PLL-based adaptive power line interference canceler for ECG signal. In: Multimedia, Communication and Computing Application, ed. Ally Leung, pp. 307-310
690. ✍-Akwei-Sekyere S (2015) Powerline noise elimination in biomedical signals via blind source separation and wavelet analysis. Peer J., 3, https://dx.doi.org/10.7717/peerj.1086
691. ✍-Chakchai So-In, Phaudphut C, Rujirakul K (2015) Real-time ECG noise reduction with QRS complex detection for mobile health services - Arabian J. of Science and Engineering, 2015, 12 pages, http://link.springer.com/article/10.1007/s13369-015-1658-1
692. ✍- Benatti S, Milosevic B, Tomasini M, Farella E, Schonle P, Bunjaku P (2015) Multiple biopotentials acquisition system for wearable applications. Int. Conf. Biomedical Electronics and Devices, 12-15 Jan., Lisbon, Portugal, pp. 260-268
693. ✍- Taralunga DD, Gussi I, Strungaru R (2015) Fetal ECG enhancement: Adaptive power line interference cancellation based on Hilbert Huang Transform. Biomedical Signal Processing and Control, 19, pp. 77–84
694. ✍-Mateo J, Sánchez-Morla EM, Santos JL (2015) A new method for removal of powerline interference in ECG and EEG recordings Computers & Electrical Engineering, 45, pp. 235-248
695. ✍-Bhasin A, Jain A, Ghosh T (2014) Spectral analysis of ECG signal for detection of power line interference. Int. J. for Research in Applied Science & Engineering Technology, 2, (11), pp. 200-202, http://www.ijraset.com/fileserve.php?FID=1265
696. ✍-David Albert (2014) Cardiac performance monitoring system for use with mobile communications devices. US patent No US8700137 B2, https://www.google.com/patents/US8700137
697. ✍-Huang Yi-Hao (2014) Automated sleep stage recognition and OSA detection system. PhD thesis, Institute of Electronic Engineering, National Taiwan University, 94 pages, http://www.airitilibrary.com/Publication/alDetailedMesh?docid=U0001-1808201413010300
698. ✍-Valchinov E, Antoniou A, Rotas K, Pallikarakis N (2014) Wearable ECG system for health and sports monitoring. Int. Conf. on Wireless Mobile Communication and Healthcare, 3-5 Nov., Athens, Greece, pp. 63-66
699. ✍-Mohammad Reza Keshtkaran (2014) Automatic spike sorting and robust power line interference cancellation for neural signal processing. PhD thesis, National University of Singapore, 124 pages, http://scholarbank.nus.edu.sg/bitstream/handle/10635/118194/KeshtkaranMR.pdf?sequence=1
700. ✍-Coventry BS, Thomas CW (2014) Time-frequency equivalence in removing sinusoidal interference from electrocardiograms. Int. J. of Biomedical Science and Engineering, 2, (4), pp. 27-32
701. ✍-Dobrev DP, Neycheva TD (2014) Software PLL for power-line interference synchronization: design, modeling and simulation. Annual Journal of Electronics, 8, pp. 58-61, ISSN: 1314-0078.
702. ✍-Dobrev DP, Neycheva TD (2014) Current driven automatic electrode impedance balance for ground-free biosignal acquisition. Annual Journal of Electronics, 8, pp. 62-65, ISSN: 1314-0078.
703. ✍-Marzencki M, Kajbafzadeh B, Khosrow-Khavar F, Tavakolian K, Kaminska B, Menon C (2014) Diastolic timed vibrator: Noninvasive pre-hospitalization treatment of acute coronary ischemia. IEEE Transactions on Biomedical Circuits and Systems, 8, (3) , pp. 313-324
704. ✍-Keshtkaran MR, Yang Z (2014) A fast, robust algorithm for power line interference cancellation in neural recording, Journal of Neural Engineering, 11, (2), http://arxiv.org/pdf/1402.6862.pdf
705. ✍-Taralunga D-D, Ungureanu G-M, Gussi I, Strungaru R, Wolf W (2014) Fetal ECG extraction from abdominal signals: A review on suppression of fundamental power line interference component and its harmonics. Computational and Mathematical Methods in Medicine, pp. 1- 15, http://dx.doi.org/10.1155/2014/239060
706. ✍-Kumaragamage CL, Lithgow BJ, Moussavi Z (2014) Development of an ultra low noise, miniature signal conditioning device for vestibular evoked response recordings. Biomedical Engineering Online, 13, 6, 20 pages.
707. ✍-Jagannath DJ, Selvakumar AI (2014) Issues and research on foetal electrocardiogram signal elicitation. Biomedical Signal Processing and Control, 10, (1), pp. 224-244
708. ✍- Agustín José Calleja Gómez (2013) Detección QRS mediante filtrado digital. Slides presentation, 107 slides, https://prezi.com/nrwfeoswzktg/deteccion-qrs-mediante-filtrado-digital/
709. ✍-Vourvopoulos, A. (2013) Brain-controlled virtual environments: an evaluation study of Brain computer interfaces for serious game interaction. MS thesis, Coventry University, UK, 125 pages, https://curve.coventry.ac.uk/open/file/0d1aa1bd-2b01-4e88-89cf-77a529fb446d/1/Vourvopoulos%202013.pdf
710. ✍-Lev Koyrakh (2013) System and method for filtering electrophysiological signals US patent: US 8620978 B2
711. ✍-Hu Yong, Luk Keith DK (2013) Classification of somatosensory evoked potential waveforms. US patent No US 8498697 B2, http://www.google.com/patents/US8498697
712. ✍-Albert D, Satchwell BR, Barnett N (2013) Heart monitoring system usable with a smartphone or computer. US patent US 8509882 B2 http://www.google.com/patents/US8509882
713. ✍-Bansal D (2013) Design of 50 Hz notch filter circuits for better detection of online ECG. Int. J. of Biomedical Engineering and Technology, 13, pp. 30-48

714. *- Perian M, Dobreanu D, Caldararu C, Sabau M (2013) A simple ECG recording hardware for Langendorff isolated heart experiments. Physiology, 23.3 (75), pp. 15-17.*
715. *-Sangit Sasidhar (2013) Assistive device for elderly rehabilitation: Signal processing techniques. PhD thesis, National University of Singapore, 207 pages, http://scholarbank.nus.edu/bitstream/handle/10635/38799/SangitSasidhar.pdf?sequence=1*
716. *-Dobrev DP, Neycheva TD (2013) Analog approach for common mode impedance balance in two-electrode biosignal amplifiers. Annual Journal of Electronics, 7, pp. 68-71, ISSN: 1314-0078*
717. *-Dobrev DP, Neycheva TD (2013) Digital lock-in technique for input impedance balance in two-electrode biosignal amplifiers. Annual Journal of Electronics, 7, pp. 64-67, ISSN: 1314-0078*
718. *-Bansal D (2013) Computer based model to filter real time acquired human carotid pulse. Signal Processing: An International Journal, 7, (1), pp. 42-51*
719. *-Suchetha M, Kumaravel N (2013) Empirical mode decomposition based filtering techniques for powerline interference reduction in electrocardiogram using various adaptive structures and subtraction methods. Biomedical Signal Processing and Control, 8, (6), pp. 575-585.*
720. *-Suchetha M, Kumaravel N (2013) Empirical mode decomposition-based subtraction techniques for 50 Hz interference reduction from electrocardiogram. IETE Journal of Research, 59, (1), pp. 55-62*
721. *-Galiana-Merino JJ, Ruiz-Fernandez D, Martinez-Espla JJ (2013) Power line interference filtering on surface electromyography based on the stationary wavelet packet transform. Computer Methods and Programs in Biomedicine, 111, (2), pp. 338-346.*
722. *-Xiaolin Zhou, Yuanting Zhang (2013) A hybrid approach to the simultaneous eliminating of power-line interferenceand associated ringing artifacts in electrocardiograms. BioMedical Engineering OnLine, 12, (42),*
723. *-Zivanovic M, González-Izal M (2013) Simultaneous powerline interference and baseline wander removal from ECG and EMG signals by sinusoidal modeling. Medical Engineering and Physics, 35, 10, pp. 1431-1441.*
724. *-Albert D, Satchwell BR, Barnett KN (2012) Wireless, ultrasonic personal health monitoring system. US patent No US 8301232 B2, http://www.google.com/patents/US8301232*
725. *-Wu Chung-Hao (2012) A signal processing approach to Post-ACS patients risk stratification using ECG. Thesis, Institute of Electronic Engineering, National Taiwan University, 76 pages, http://www.airitilibrary.com/Publication/alDetailedMesh?docid=U0001-1008201210173400*
726. *- Tudosa I, Adochiei N (2012) LMS algorithm derivatives used in real-time filtering of ECG signals: A study case on performance evaluation. Int. Conf on Electrical and Power Engineering, 25-27 Oct., Iasi, Romania, pp. 565-570*
727. *-Yi-min Hsu (2012) Research and implementation of portable wireless ECG device. MS thesis, National Taiwan University of Science and Technology, 77 pages*
728. *-Jagtap SK, Uplane MD (2012) The impact of digital filtering to ECG analysis: Butterworth filter application. Int. Conf. on Communication, Information & Computing Technology, 19-20 October, Mumbai, India, 6 pages, ISBN: 978-1-4577-2077-2*
729. *-Fasano A, Villani V (2012) Joint denoising and narrowband artifact rejection for ECG signals. Computing in Cardiology, 39, pp. 49-52, ISSN 0276-6574.*
730. *-Dobrev DP, Neycheva TD (2012) Increased power-line interference rejection by a stray capacitance drive. Annual Journal of Electronics, 6, (1), pp. 12-15, ISSN: 1314-0078*
731. *-Dobrev DP, Neycheva TD (2012) Simple two-electrode bootstrapped non-differential biopotential amplifier. Annual Journal of Electronics, 6, (1), pp. 8-11, ISSN: 1314-0078*
732. *-Haberman MA, Spinelli EM (2012) A multichannel EEG acquisition scheme based on single ended amplifiers and digital DRL. IEEE Transactions on Biomedical Circuits and Systems, 6, (2), pp. 614-618, ISSN: 1932-4545.*
733. *- Johannesen L, Galeotti L (2012) Automatic ECG quality scoring methodology: mimicking human annotators. Physiological Measurement, 33, pp.1479-1489, ISSN 0967-3334*
734. *-Vale-Cardoso AS, Moreira MG, Guimarães HN (2012) An introduction to hardware and methods for biopotential measurements: A review. Recent Patents on Biomedical Engineering, 5, (2), pp. 105-113, ISSN: 1874-7647*
735. *- Ţarălungă D, Strungaru R, Ungureanu N, Wolf W (2012) Abdominal signals: Different concepts for reliable fECG recordings. UPB Sci. Bull., Series C, 74, (3), pp. 201-218, ISSN: 1454-234X*
736. *-Guojun Li, Xiaopin Zeng, Xiaona Zhou, Yu Zhou, Guojin Liu, Xichuan Zhou (2012) Robust suppression of nonstationary power-line interference in electrocardiogram signals. Physiological Measurement 33, (7), pp. 1151-1169, ISSN 0967-3334*
737. *-Wei Yu, Qiang Han, Jing Jing Ma, Pei Xie (2012) A new method for biomedical signal processing with EMD and ICA approach. Advanced Materials Research, vol. 546 – 547, Electrical Insulating Materials and Electrical Engineering, pp. 548-552, ISSN: 1022-6680.*
738. *-Yu-Hong Shen, Jie-Wen Zheng, Zheng-Bo Zhang, Chen-Ming Li (2012) Design and implementation of a wearable multi-parameter physiological monitoring system for the study of human heat stress, cold stress and thermal comfort. Instrumentation Science & Technology, 40, (4), pp. 290-304, ISSN: 1073-9149*

739. -Jeon-Hong-Gyu, Joik-Se-Ong, Gwon-Hyeok-Sung. (2011) Adaptive subtraction method for removing variable powerline interference of ECG. J. of Korean Institute of Information and Communication Sciences, 15, (2), pp. 447-454
740. -Naohiro Toda (2011) A Cancellation method of periodic interference in pulse-like signals using adaptive filter and its appriction to flash ERGs. Electronics Information and Communication Engineering, vol J94-D, (10), pp. 1685-1695, ISSN: 0915-1915.
741. -Olli Heikkinen (2011) Development and validation of an ambulatory heart rate variability measurement system. MS thesis. Department of Applied Physics, University of Eastern Finland, Kuopio, 64 pages, http://epublications.uef.fi/pub/urn_nbn_fi_uef-20110355/urn_nbn_fi_uef-20110355.pdf
742. -Dobrev DP, Neycheva TD (2011) Increased power-line interference rejection by adaptive common mode impedance balance. Annual Journal of Electronics, 5, (2), book 1, pp. 80-83, ISSN: 1313-1842.
743. -Dobrev DP, Neycheva TD (2011) Bootstrapped instrumentation biosignal amplifier. Annual Journal of Electronics, 5, (2), book 1, pp. 76-79, ISSN: 1313-1842.
744. -Tavares C, Martins RC, Laranjo S, Rocha I (2011) Computational tools for assessing cardiovascular variability. 1st Portuguese Meeting in Bioengineering, 1-4 March, Lisbon, Portugal, pp. 1-6, ISBN: 978-1-4577-0522-9, DOI: 10.1109/ENBENG.2011.6026082
745. -Hernández AI, Dumont J, Altuve M, Beuchée A., Carrault G (2011) Evolutionary optimization of ECG feature extraction methods: Applications to the monitoring of adult myocardial ischemia and neonatal apnea bradycardia events. Chapter 11, pp. 237-273. In: ECG signal processing, classification and interpretation: A comprehensive framework of computational intelligence, Eds: Gacek A, Pedrycz W, © Springer, 278 pages, ISBN 978-0-85729-867-6
746. -Lehmann C, Reinstädtler J, Khawaja A (2011) Detection of power-line interferences in ECG signal using frequency-domain analysis. Computing in Cardiology, 38, pp. 821-824, ISSN: 0276-6574.
747. -Miklós SM, Szilágyi L, Görög LK, Luca CT, Cozma D, Ivanica G, Benyó Z (2011) An enhanced method for accessory pathway localization in case of Wolff-Parkinson-White syndrome. Acta Physiologica Hungarica, 98, (3), pp. 347-358, ISSN: 0231-424X
748. -Lee M, Shyu K, Lee P, Huang C, Chiu Y (2011) Hardware implementation of EMD using DSP and FPGA for on-line signal processing, IEEE Transactions on Industrial Electronics, 58, (6), pp. 2473-2481, ISSN: 0278-0046.
749. -Trigano T, Isserles U, Ritov Y (2011) Semiparametric curve alignment and shift density estimation for biological data. IEEE Transactions in Signal Processing, 59, (5), pp. 1970-1984, ISSN: 1053-587X.
750. -Chinchkhede KD, Yadav GS, Hirekhan SR, Solanke DR (2011) On the implementation of FIR filter with various windows for enhancement of ECG signal. International Journal of Engineering Science and Technology, 3, (3), pp. 2031-2040, ISSN: 2141-2839.
751. -Anita P, Talele KT (2011) ECG feature extraction using wavelet based derivative approach. Technology System and Management, 145, (2), pp. 239-247, ISSN: 1722-3435.
752. -Hu Wei Wei, Chang-Red (2010) Frequency interference cancellation algorithm based on sinusoidal parameter estimation. Journal of Biomedical Engineering, 6, 1243-1246
753. - Kors JA, van Herpen G (2010) Computer Analysis of the Electrocardiogram, pp. 1721-1765, In: Compehensive Electrocardiology, Eds: Camm, Janse MG, Kligfield P, Macfarlane PW, Pahlm O, van Oosterom A, © Springer, 4 volumes, 2291 pages
754. -Badreldin IS, El-Kholy DS, El-Wakil AA (2010) A modified adaptive noise canceler for electrocardiography with no power-line reference. 5th Cairo International Biomedical Engineering Conference, 16-18 December, Cairo, Egypt, pp.13-16
755. -Bahoura, M., Ezzaidi, H (2010) FPGA-implementation of wavelet-based denoising technique to remove power-line interference from ECG signal. Int. Conf. on Information Technology Applications in Biomedicine, 2-5 November, Corfu, Greece, pp. 1-4, ISBN: 978-142446560-6, DOI: 10.1109/ITAB.2010.5687709
756. -Hu X, Xiao Z, Liu C (2010) Reduction arithmetic for power line interference from ecg based on estimating sinusoidal parameters. 3rd Int. Conf. on Biomedical Engineering and Informatics, 16-18 October, Yantai, China, art. No 5640006, 2, pp. 2089-2092.
757. -Miguel Alfonso Altuve Paredes (2010) Adaptación de un método de detección de latidos y de segmentación del electrocardiograma al neonato prematuro para caracterizar episodios de apnea-bradicardia. Assoc. Prof. promotion work, División de Ciencias y Tecnologías Administrativas e Industriales, Departamento de Tecnología Industrial, Universidad Simón Bolívar, 48 pages, http://prof.usb.ve/maltuve/pdf/trabajo_ascenso_agregado_altuve_2010.pdf
758. -Neycheva TD, Dobrev PD (2010) Integer coefficients comb filter for mains interference elimination. Annual Journal of Electronics, 4, (2), book 2, pp. 130-133.
759. -Dobrev PD,Neycheva TD, Krasteva VT, Iliev IT (2010) High-Q comb FIR filter for mains interference elimination. Annual Journal of Electronics, 4, (2), book 2, pp. 126-129.
760. -Momot A, Momot M (2010) Adaptive time-varying frequency characteristic filtering of ECG signal. In: Information Technologies in Biomedicine: Advances in Soft Computing, Eds: Pietka E, Kawa J, © Springer, 69, pp. 273-282

761. -Kaur M, Arora AS (2010) Combination method for powerline interference reduction in ECG. International Journal of Computer Applications, 1, (14), pp. 12-17.
762. -Amann A, Klotz A, Niederklapfer T, Kupferthaler A, Werther T, Granegger M, Lederer W, Baubin M, Lingnau W (2010) Reduction of CPR artifacts in the ventricular fibrillation ECG by coherent line removal. BioMedical Engineering OnLine, 9, (2), pp. 1-12.
763. -Aschero G, Gizdulich P (2010) Denoising of surface EMG with a modified Wiener filtering approach. Journal of Electromyography and Kinesiology 20, (2), pp. 366-373.
764. -Vale-Cardoso AS, GuimarãeslHN (2010) The effect of 50/60 Hz notch filter application on human and rat ECG recordings. Physiol. Meas. 31, (1), pp. 45-58.
765. -Husn-Hsien Chang, Moura JMF (2010) Biomedical Signal Processing. Invited chapter in: Biomedical Engineerng and Design Handbook, Ed: Myer Kutz, 2nd Edition, Volume 1, McGraw Hill, Chapter 22, pp. 559-579.
766. - Истомина ТВ, Кривоногов ЛЮ, Лавреев АА (2009) Информационные методы повышения надежности кардиоанализаторов на основе помехоустойчивой обработки электрокардиосигнала. Симпозиум "Надежность и качество", стр, 76-80.
767. -Guanghao Shen, Erping Luo, Lihua Lu, Qiaoling Xu, Xiaoming Wu (2009) New Method of Designing Digital Notch Filter of Mains Frequency. 3rd Int. Conf. on Bioinformatics and Biomedical Engineering, 11-13 June, Beijing, China, DOI 10.1109/ICBBE.2009.5163103, CD-verson, 3 pages
768. -Suranai Poungponsri (2009) An approach based on wavelet decomposition and neural network for ECG noise reduction. MS Thesis, Faculty of California Polytechnic State University, 189 pages, http://digitalcommons.calpoly.edu/cgi/viewcontent.cgi?article=1104&context=theses
769. -Chaudhuri S, Pawar TD, Duttagupta S, (2009) Ambulation analysis in wearable ECG, © Springer, ISBN: 978-1-4419-0723-3, 153 pages.
770. -Davie WJ, Fowler MJ, Koumoundouros E (2009) ECG interference suppressed using a harmonic generator. Australasian Physical and Engineering Sciences in Medicine, 32, (3), pp. 159-164.
771. -Kaur M, Singh B (2009) Powerline interference reduction in ECG using combination of MA method and IIR notch. International Journal of Recent Trends in Engineering, 2, (6), pp. 125-129
772. -Neycheva T, Dobrev D, Mudrov N. (2009) High-Q bandpass comb filter for mains interference exrtraction. Bioautomation, 13, (4), 7-12.
773. -Dobrev DP, Neycheva TD, Mudrov NT (2009) High-Q comb filter for mains interference suppression. Annual Journal of Electronics, 3, (1), pp. 47-49.
774. -Dobrev DP, Neycheva TD, Mudrov NT (2009) Simple high-Q comb filter for mains interference and baseline drift suppression. Annual Journal of Electronics, 3, (1), pp. 50-52.
775. -Querellou E, Meyran D, Petitjean F, Le Dreff P, Maurin O (2009) Ventricular fibrillation diagnosed with trans-thoracic echocardiography. Resuscitation, 80, (10), pp. 1211-1213
776. -Pasquariello G, Cesarelli M, Bifulco P, Fratini A, La Gatta A, Romano M (2009) Characterisation of baseline oscillation in congenital nystagmus eye movement recordings. Biomedical Signal Processing and Control, 4,(2) pp. 102-107.
777. -Yacoub S, Raoof K (2008) Noise removal from surface respiratory EMG signal. World Academy of Science, Engineering and Technology, 38, 643-650
778. -Lan Rui-fen, Hu Guang-shu (2008) Design of simple integral coefficient notch filter to remove power-line interference in high sampling rate. Space Medicine & Medical Engineering, 21, (2), http://d.wanfangdata.com.cn/Periodical_htyxyyxgc200802017.aspx
779. -Jérôme Dumont (2008) Fouille de dynamiques multivariées, application à des données temporelles en cardiologie. Dissertation pour obtenir le grade de Docteur de l'université de Rennes 1, No d'ordre: 3682, 150 pages, http://hal.archives-ouvertes.fr/docs/00/36/47/20/PDF/these_jdumont.pdf
780. -Iliev IT, Tabakov S, Krasteva V (2008) Combined high-pass and power-line interference rejecter filter for ECG signal processing. Proceedings of the Technical University – Sofia, vol.58, book 2, pp.7-13.
781. -Zhidong Z, Chan M (2008) A novel cancellation method of powerline interference in ECG signal based on EMD and adaptive filter, Int. Conf. on Communication Techn. ICCT, 10-12 November, Bangkok, Thailand, pp. 517-520.
782. -Yacoub S, Raoof K (2008) Noise removal from surface respiratory EMG signal. International Journal of Computer, Information, and Systems Science, and Engineering 2, (4), pp. 226-233.
783. -Szilágyi SM, Szilágyi L, Görög LK, Luca CT, Cozma D, Ivanica G, Benyó Z (2008) An enhanced accessory pathway localization method for efficient treatment of Wolff-Parkinson-White syndrome. pp. 269-276, In: Progress in pattern recognition, image analysis and application, Eds: Ruiz-Shulcloper J, Kropatsch, 809 pages.
784. -Tabakov S, Iliev I, Krasteva V (2008) Online digital filter and QRS detector applicable in low resource ECG monitoring systems. Annals of Biomedical Engineering, 36, (11), pp. 1805-1815.
785. -Chavan MS, Agarwala RA, Uplane MD (2008) Suppression of noise in the ECG signal using digital IIR filter. Proceedings of the 8th WSEAS International Conference on Multimedia systems and signal processing, Hangzhou, China, pp. 335-343

786. *Iliev IT, Tabakov SD, Krasteva VT (2008) Combined high-pass and power-line interference rejecter filter for ECG signal processing. Seventeenth International Scientific and Applied Science Conference Electronics 2008, Sozopol, 20-22 September, book 1, pp 49-54.*
787. *Chavan MS, Agarwala RA, Uplane MD (2008) Rectangular window for interference reduction in ECG. 7th WSEAS International Conference on Signal Processing Istanbul, Turkey, May 27-30, pp. 110-114.*
788. *Dobrev DP, Neycheva TD, Mudrov NT (2008) Simple high-q comb filter for mains interference suppression. Seventeenth International Scientific and Applied Science Conference Electronics 2008, Sozopol, 20-22 September, book 1, pp 25-30.*
789. *Chavan MS, Agarwala RA, Uplane MD (2008) Suppression of baseline wander and power line interference in ECG using digital IIR filter. International Journal of Circuits, Systems and Signal Processing, 2, (2), pp. 356-365.*
790. *Chavan MS, Agarwala RA, Uplane MD (2008) Interference reduction in ECG using digital FIR Filters based on rectangular window. Transactions on Signal Processing, 4, (5), pp. 340-349.*
791. *Dobrev D, Neycheva T, Mudrov N (2008) Digital lock-in techniques for adaptive power-line interference extraction. Physiological Measurement, 29, pp. 803-816.*
792. *Curione M, Cammarota C, Cardarelli G, Di Bona S, Montesan T, Travasci L, Colandre M, Colott M, Ciancamerl M, Rong G (2008) QRS area monitoring during stress test: a novel index to separate normal to ischaemic patients? Archives of Medical Science, 4, (1), pp. 51–56.*
793. *Dobrev D, Neycheva T, Mudrov N (2008) Bootstrapped two-electrode biosignal amplifier. Medical & Biological Engineering & Computing, 46, (6), pp. 613-619.*
794. *Yacoub S, Raoof K (2008) Power line interference rejection from surface electromyography signal using an adaptive algorithm. IRBM, © 2008 Elsevier Masson SAS, 29, (4), pp. 231-238.*
795. *- Różanowski K, Sondej T, Radomski T, Piotrowski Z (2007) Wielozadaniowy system monitorowania sygnałów fizjologicznych i środowiskowych. Elektronika : konstrukcje, technologie, zastosowania , 48, (9), pp. 85-91*
796. *Gonzalez-Landaeta R, Casas Ó, Pallàs-Areny R (2007) Bathroom scales as patient interfaces for home health care. 1st Int. Conf. on Advancements of Medicine and Health Care through Technology, MediTech2007, 27-29th September, Cluj-Napoca, Romania, pp. 173-176*
797. *Nelson Carlos Medeiros de Vasconcellos (2007) Topografia da coerência espectral dos potenciais eletroencefalográficos relacionados a eventos musculares. Dissertação, Universidade Federal Fluminense, Niterói, Brasil, 230 pages, http://www.ic.uff.br/PosGraduacao/Dissertacoes/386.pdf.*
798. *Cushion TJ (2007) Notch filtering electromyography signal. Individual Research Project Report, Electronic & Computer Science, University of Southampton, pp. 1-8, http://portfolio.ecs.soton.ac.uk/17/3/IRP.pdf*
799. *Zheng JW, Zhang ZB, Wu TH, Zhang Y (2007) A wearable mobihealth care system supporting real-time diagnosis and alarm. Medical & Biological Engineering & Computing, 45, (9), pp. 877-885.*
800. *Adcock DB (2006) Rapid prototyping of a single-channel electroencephalogram-based brain-computer interface. MS Thesis, North Carolina State University, pp.1-106, http://www.lib.ncsu.edu/theses/available/etd-11082006-160310/unrestricted/etd.pdf*
801. *Tomoyuki Kamitani, Naohiro Toda (2006) Power-line interference removability of adaptive digital filters. Institute of Electronics, Information and Communication Engineering, Technical Report, pp. 1-5.*
802. *Tomoyuki Kamitani, Naohiro Toda (2006) Alternative noise elimination by adaptive digital filter in biopotential measurements. Graduate School of Information Science and Technology, Aichi Prefectural University, Technical Report, pp. 1-4.*
803. *Dobrev D, Neycheva T, Mudrov N (2005) Simple two electrode biosignal amplifier. Medical & Biological Engineering & Computing, 43, (6), pp. 725-730.*

Daskalov IK, Christov, II (1999) Electrocardiogram signal preprocessing for automatic detection of QRS boundaries. *Med.* Eng. & Phys., 21, 1, pp. 37-44.

804. *Kenttä T, Porthan K, Tikkanen JT, Väänänen H, Oikarinen L, Viitasalo M, Karanko H, Laaksonen M, Huikuri HV (2015) Sensitivity and specificity of automated detection of early repolarization in standard 12-lead electrocardiography. Annals of Noninvasive Electrocardiology, 11, DOI: 10.1111/anec.12226*
805. *Tao X (2014) Research of algorithm for QRS complex real-time detection based on electrocardiogram. https://www.researchgate.net/publication/281771278_Research_of_algorithm_for_QRS_complex_real-time_detection_based_on_electrocardiogram*
806. *Upganlawar IV, Chowhan H (2014) The combined effect of filters in ECG signals for pre-processing Int. J. of Electronics Communication and Computer Engineering, 5, (3), pp. 675-677.*
807. *Novotny T, Leinveber P, Hnatkova K, Reichlova T, Matejkova M, Sisakova M, Krejci J, Hude P, Bedanova H, Nemec P, Spinar J, Spinarova L, Malik, M. (2014). Pilot study of sex differences in QTc intervals of heart transplant recipients. Journal of Electrocardiology, 47, (6), pp. 863-868*
808. *Nicolas Ribas Mercau (2014) Characterization and handling of disturbances within electrocardiographic recordings of different origin. MS thesis, Institute of Biomedical Engineering, Technische Universität Dresden, 192 pages, http://upcommons.upc.edu/pfc/bitstream/2099.1/21684/4/Final_Project_Nicolas_Ribas_Mercau.pdf*

809. -Hintsala H, Kentta TV, et al. (2014) Cardiac repolarization and autonomic regulation during short-term cold exposure in hypertensive men: An experimental study. Plos One online, 9, (7), 9 pages, http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0099973
810. -Upganlawar IV, Chowhan H (2014) Pre-processing of ECG signals using filters. Int. J. of Computer Trends and Technology, 11, (4), pp. 166-168.
811. -Suresh K, Santhaseelan B (2014) Empirical mode decomposition based on ECG analysis design. Int. J. of Computer Science and Engineering Communications, 2, (3), pp. 326-329, ISSN: 2347–8586
812. -Xiao Hu, Jingjing Liu, Jiaqing Wang, Zhong Xiao, Jing Yao (2014) Automatic detection of onset and offset of QRS complexes independent of isoelectric segments. Measurement, 51, (1), pp. 53-62.
813. -Xiao Hu, Jingjing Liu, Jiaqing Wang, Zhong Xiao (2014) Detection of onset and offset of QRS complex based a modified triangle morphology. Lecture Notes in Electrical Engineering, 269, pp. 2893-2901
814. -Jaykumar Karnewar, Milind Sarode (2013) The combined effect of median and FIR filter in pre-processing of ECG signal using Matlab. Proceedings on National Level Technical Conference, pp. 30-33, http://research.ijcaonline.org/xplore/number1/xplore1310.pdf
815. -Liu Jun, Zhou Yaqi (2013) Design of a novel portable ECG monitor for heart health. Int. Symposium on Computational Intelligence and Design, 28-29 Oct., Hangzhou, China, 2, pp. 257-260.
816. -Adam Hanzelka (2013) Delineation of experimental ECG data. MS thesis, Brno University of Technology, 54 pages, https://dspace.vutbr.cz/xmlui/bitstream/handle/11012/26157/Adam_Hanzelka_DP.pdf
817. - Liu Jun, Xie Fei, Zhou Yaqi, Zou Qian, Wu Jianfeng (2013) A wearable health monitoring system with multi-parameters. Int. Con. on Biomedical Engineering and Informatics, 16-18 Dec., Hangzhou, China, pp. 332-336.
818. -Jekova I, Krasteva V, Abacherli R (2013) Detection of electrode interchange in precordial and orthogonal ECG leads. Computing in Cardiology, 40, pp. 519-522, ISSN: 2325-8861
819. -Benali Radhwane (2013) Analyse du signal ECG par réseau adaptif d'ondelettes en vue de la reconnaissance de pathologies cardiaques.PhD thesis, Faculte de Technologie, Université Abou Bekr Belkaid, 140 pages, http://dspace.univ-tlemcen.dz/bitstream/112/2289/1/BENALI-Radhwane.pdf
820. -Augustyniak P, Czopek K (2013) Wykorzystanie sieci neuronowych do przetwarzania sygnałów bioelektrycznych na przykładzie EKG. Chapter 4, pp. 101-146. In: Neural Networks in Biomedical Engineering, Vol. 9, eds: Tadeusiewicz R, Korbicz J, Rutkowski L, Duch W
821. -Payal Patial, Sonali (2013) Review of heart rate variability analysis and its measurement. Int. J. of Engineering Research & Technology, 2, (2), pp. 1-6, ISSN: 2278-0181
822. -Gao S, Wang G, Wang H, Zhao L, Zhao Y (2013) Improved fast filtering algorithm with low distortion for dynamic electrocardiogram. Int. Conf. on Advanced Computational Intelligence, pp. 1177-1179, ISBN: 978-146731743-6
823. -Mahmud Hasan (2012) Design of a PC-based electrocardiogram (ECG) recorder as - internet appliance, pp. 607-634, In: Applied Biological Engineering - Principles and Practice, Ed: Ganesh R. Naik (Ed.), ISBN: 978-953-51-0412-4, © InTech, http://cdn.intechopen.com/pdfs-wm/33847.pdf
824. -Dhananjay UE, Kharadkar RD (2012) Detection of myocardial infraction using wavelet transform. Int. J. of Recent Trends in Engineering and Sciences, 2, (4), pp. 103-107, ISSN 2277-3258.
825. -Pu Y, Gropper C, Lin D (2012) Locating fiducial points in a physiological signal. US Patent 8200319 B2
826. -Kenttä T, Tikkanen J, Wichmann V, Junttila J, Huijuri HV (2012) Automatic detection, localization and classification of early repolarization in standard 12-leads electrocardiography. Eoropean Society of Cardiology conference, 25-29 August, Munich, Germany, poster, http://spo.escardio.org/eslides/view.aspx?eevtid=54&fp=P3389
827. -Plesnik E, Malgina O, Tasič JF, Zajc M (2012) Detection of the electrocardiogram fiducial points in the phase space using the euclidian distance measure. Medical Engineering and Physics, 34, (4), pp. 524-529, ISSN: 1350-4533.
828. -Maggio ACV, Bonomini MP, Leber EL, Arini PD (2012) Quantification of ventricular repolarization dispersion using digital processing of the surface ECG, pp. 181-206, In: Advances in Electrocardiograms – Methods and Analysis, Ed: Millis RM, © InTech, 390 pages, ISBN: 978-953-307-923-3.
829. Jeyarani AD, Singh DrTJ (2011) Analysis of electromagnetic interference on ECG waveform due to electronic components and circuits. Biometrics and Bioinformatics, 3, (1), pp. 37-42, http://ciitresearch.org/dl/index.php/bb/article/view/BB012011007
830. -Kelvin Cheung (2011) ECG morphological features recognition and its effect to classification. PhD Thesis, Department of Applied Computer Technology, East China Normal University, China, 129 pages, DOI:CNKI:CDMD:1.1012.272492, N124, http://www.cgl.org.cn/auto/db/detail.aspx?db=950002&rid=1577501&agfi=0&cls=0&uni=True&cid=0&showgp=True&prec=False&md=93&pd=6&msd=93&psd=6&mdd=93&pdd=6&count=10&reds=waveform%3Bfeatures
831. -Piotr Augustyniak (2011) Elektrokardiografia dla Informatyka – praktyka, e-book, Krakow, ISBN 978-83-932168-3-3, http://www.edi.agh.edu.pl/start/index.php/rozdzial-vii/literatura7
832. -Ma Xin-jiang, Wang Hong-fu, Li Fang-fang, Zhang Yah (2011) Development of a wireless ECG monitoring system based on ATmega 128. China Medical Devices, 26, (7), pp. 34-37

833. -Korzinov L, Kremliovsky M (2011) Monitoring physiological activity using partial state space reconstruction.US Patent 7996075, http://patents.com/us-7996075.html
834. -Hu Xiao, Wang Jia-Qing, Zhang Ni (2011) Detecting onset and offset of QRS complex based on measurement of a triangle. Journal of Applied Sciences - Electronics and Information Engineering, 29, (3), pp. 289-293, ISNN: 0255-8297
835. -Rafal Doniec (2010) Wykorzystanie metod sztucznej intelegencji do regulacji poziomu insuliny w organizmie czlowieka. PhD Thesis, Wydzial Automatyki, Elektroniki I Informatyki, Politechnika Slavska w Gliwicach, Gliwice, Polska, 261 pages, http://delibra.bg.polsl.pl/Content/1011/R.+Doniec+-+Rozprawa+doktorska.pdf?handler=pdf
836. -Martin Vítek (2010) Automatic delineation of ECG signals. Phd Thesis, Faculty of Electrical Engineering and Communication, Department of Biomedical Engineering, Brno University of Technology, 129 pages, http://www.vutbr.cz/www_base/zav_prace_soubor_verejne.php?file_id=34194
837. -Galeano M, Calisto A, Bramanti A, Serrano S, Campobello G, Azzerboni B (2010) R-point detection for noise affected ECG recording through signal segmentation. IEEE Annual Int. Conf. on Engineering in Medicine and Biology Society, 31 September-4 October, Buenos Aires, Argentina, DOI: 10.1109/IEMBS.2010.5627258 , pp. 638-641
838. -Wu Y, Zhang H, Wang H, Lu Y (2010) The sparse decomposition and compression of ECG and EEG based on matching pursuits. 3rd Int. Conf. on Biomedical Engineering and Informatics, 16-18 October, Yantai, China, art. No 5639623, pp. 1094-1097.
839. -Ganesan S, Sivakumar Victoire T (2010) Efficient and low complexity analysis of biosignals using continuous Haar wavelet transforms for removing noise. Int. J. of Engineering Science and Technology, 2, (11), 6317-6334
840. -Xie Na, Yuan You-Xin, Xu Xiang-Lian, Hu Hong-Ming, XiaoYi-Ping (2010) Research on static var compensator mechanism of compensation based on reactor variable. Journal of Wuhan University of Technology, 32, (10), pp. 129-132
841. -Kremliovsky M, Korzinov L (2010) Automated analysis of a cardiac signal based on dynamical characteristics of the cardiac signal. Patent 7729753, http://www.patentstorm.us/patents/7729753/fulltext.html
842. -Singh HR, Sharma R, Sahgal N, Sethi P, Kushwah R, Kachhawa P (2010) An improved method of measurement of ECG parameters for online medical diagnosis. Studies in Health Technology and Informatics, 156, pp. 40-46
843. -Chen J, Long J-F, Xiang K, Zhou L-H (2010) Research on locating method for Q wave onset based on isoelectric line recognition. Journal of Wuhan University of Technology, 32, (10), pp. 126-132.
844. -Swagatika Priyadarshini (2010) ECG signal analysis: Enhancement and R-peak detection. Report, Roll no: 10609017, Department of Electronics and Communication Engineering, National Institute of Technology, Rourkela, India, 51 pages, http://ethesis.nitrkl.ac.in/1932/1/B.Tech_Project_Report_Swagatika_Priyadarshini(10609017).pdf
845. -Alcaraz R, Rieta JJ (2010) A novel application of sample entropy to the electrocardiogram of atrial fibrillation. Nonlinear Analysis: Real World Applications, 11, (2), pp. 1026-1035.
846. -Sieed J, Arafat MA (2009) Detection of chatacteristic points and T-wave alternans in ECG. Department of Electrical and Electronic Engineering, Bangladesh University of Engineering and Technology, http://sites.google.com/site/jubairsieed/files/Thesis.pdf
847. -Mao Ling-xiang, Zhang Guomin Sun (2009) Algorithm for automatic QRS morphological analysis in ECG signal. Signal Processing, 25, (11), http://d.wanfangdata.com.cn/Periodical_xhcl200911004.aspx
848. -Seyedeh Zahra Fatemian (2009) A Wavelet-based approach to electrocardiogram (ECG) and phonocardiogram (PCG) subject recognition. MS Thesis, Department of Electrical and Computer Engineering, University of Toronto. 132 pages, Fatemian_Seyedeh_z_200911_MASC_Thesis.pdf
849. -Icon Group International Inc (2009) Preprocessing: Webster's Facts and Phrases, book, e-version, San Diego, Callifornia 92121, USA, 86 pages
850. -Arafat A, Hasan Kamrul (2009) Automatic detection of ECG wave boundaries using empirical mode decomposition. IEEE International Conference on Acoustics, Speech and Signal Processing, 'ICASSP 2009', icassp, 19-24 April, Taipei, Taiwan, pp.461-464.
851. -Alcaraz R, Rieta JJ (2009) Surface ECG organization analysis to predict paroxysmal atrial fibrillation termination. Computers in Biology and Medicine, 39, (8), pp.697-706.
852. -Bansal D, Khan M, Salhan AK (2009) A review of measurement and analysis of heart rate variability. Int. Conf. on Computer and Automation Eng., 08-10 March, Bangkok, Thailand, pp. 243-246.
853. -Tarun ManiT iwari (2008) A n efficient algorithm for ECG denoising and beat detection. MS thesis, The University of Texas at Dallas, 51 pages.
854. -Wen Hsiubg Lin (2008) ECG signal detection via PDA phone. MS Thesis, Chang Gung University, 72 pages, http://ndltd.ncl.edu.tw/cgi-bin/gs32/gsweb.cgi/login?o=dnclcdr&s=id=%22096CGU05442048%22.&searchmode=basic
855. -He Zhao (2008) Development of a wireless health monitoring system with an efficient power management scheme based on localized time-varying data analyses. PhD Thesis, Biomedical Engineering, Stony Brook University, 149 pages, http://dspace.sunyconnect.suny.edu/bitstream/1951/45386/1/104724239.sbu.pdf
856. -Li Sheng-ian, Xin Ji-bin, Mo Mei-qi, Xu Yi-xin (2008) Diagnosis Model for Arrhythmia Using QRS Complex. Progress in Biomedical Engineering, 29, 4, http://d.wanfangdata.com.cn/Periodical_shswyxgc200804004.aspx

857. ✍-María de la Salud Guillem Sánchez (2008) Activation patterns in atrial fibrillation: Contributions of body surface potential mapping. PhD Thesis, 170 pages, http://dspace.upv.es/xmlui/bitstream/handle/10251/3922/tesisUPV2959.pdf?sequence=1
858. ✍-Kumari SS, Sadasivam V (2008) QRS complex detection using double density discrete wavelet transform. Biomedical Engineering: Applications, Basis and Communications, 20, (2), pp. 65-73.
859. ✍-Ong MEH, Padmanabhan P, Chan YH, Lin Z, Overton J, Ward KR, Fei D (2008) An observational, prospective study exploring the use of heart rate variability as a predictor of clinical outcomes in pre-hospital ambulance patients. Resuscitation, 78, (3) pp. 289-297
860. ✍-Jia-Rong Yeh, Ai-Hsien Li, Jiann-Shing Shieh, Yen-An Su, Chi-Yu Yang (2008) Diagnosing dangerous arrhythmia of patients by automatic detecting of QRS complexes in ECG. Int. J. of Biol. and Med. Sci., 1, (4), pp. 175-181.
861. ✍-Симова Я, Денчев С (2008) Дисперсия на QT-интервала – метод на изследване и значение. Списание Медицински Преглед, 44, (1), стр. 27-31.
862. ✍-Guillem, M.S., Sahakian, A.V., Swiryn, S. (2008) Derivation of orthogonal leads from the 12-lead electrocardiogram. Performance of an atrial-based transform for the derivation of P loops. Journal of Electrocardiology, 41, (1), pp. 19-25.
863. ✍-Shantha Selva Kumari (2007) ECG signal processing using wavelets. PhD thesis, Manonmaniam Sundaranar University, Tirunelveli, India, 134 pages, http://ir.inflibnet.ac.in:8080/jspui/bitstream/10603/61007/15/15_references.pdf
864. ✍-Kumari RSS, Sadasivam V (2007) Wavelet-based base line wandering removal and R peak and QRS complex detection. Int. J. of Wavelets, Multiresolution and Information Processing, 5, (6), pp. 927 –939.
865. ✍-João Paulo do Vale Madeiro (2007) Sistema automático para análise de variabilidade da freqüéncia cardíaca. Dissertação, Universidade Federal do Ceará, pp. 1-137, http://www.teses.ufc.br/tde_busca/processaArquivo.php?codArquivo=2050
866. ✍-Li Xiang-Jun (2007) A QRS detection algorithm based on the empirical mode decomposition. Journal of University of Electronic Science and Technology of China, 36, (4), pp. 795-797.
867. ✍-Daniel Tchiotsop (2007) Modelisations polynomiales des signaux ECG. Applications a la compression. Docteur de l'Institut Polytechnique de Lorraine, Nancy Université, 173 pages.
868. ✍-Shantha SKR., Sadavisam V (2007) Wavelet-based base line wandering removal and R peak and QRS complex detection. International Journal of Wavelets, Multiresolution and Information Processing, 5, (6), pp. 927-939.
869. ✍-Darrington J, Hool L (2007) EKG beat analysis: Minimising redundancy between detection and classification. 5th IASTED Conference on Biomedical Engineering, Innsbruck, Austria, 14-16 February, pp. 148-153.
870. ✍-Agnieszka Duraj (2007) Algorytmy rozpoznawania zespołu QRS w sygnałach elektrokardiograficznych pochodzących od pacjentów z wszczepionym układem stymulującym. Rozprawa doktorska, Uniwersytet Zielonogórski, Zielona Góra, http://zbc.uz.zgora.pl/Content/8207/pracadr_ADuraj.pdf
871. ✍-Antoun Khawaja (2006) Atomatic ECG analysis using principal component analysis and wavelet transformation. Disertation Doktor-Engenieurs, Universität Frediriciana Karlsruhe, Karlsruhe Transaction on Biomedical Engineering, 3, pp.1-246, http://www.uvka.de/univerlag/volltexte/2007/227/pdf/Khawaja_Antoun.pdf
872. ✍-Feng Jun, Qiuya Penny, Mo Zhi-wen (2006) Feature extraction based on wavelet multi-lead ECG classification neural network. The Third Military Medical University Journal, 8, http://scholar.ilib.cn/Abstract.aspx?A=dsjydxxb200608038
873. ✍-Hnatkova K, Gang Y, Batchvarov VN, Malik M (2006) Precision of QT interval measurement by advanced electrocardiographic equipment. Pacing and Clinical Electrophysiology 29 (11), pp. 1277-1284.
874. ✍-Guillem MS, Sahakian AV, Swiryn S (2006) Derivation of orthogonal leads from the 12-lead ECG. Accuracy of a single transform for the derivation of atrial and ventricular waves. Computers in Cardiology, 33, pp. 249-252, http://cinc.mit.edu/archives/2006/pdf/0249.pdf
875. ✍-McNames J, Aboy M (2006) Reliability and accuracy of heart rate variability metrics versus ECG segment duration. Medical & Biological Engineering & Computing, 44 (9), pp. 747-756.
876. ✍-冯俊, 邱雅竹, 莫智文 (2006) 基于小波特征提取的多导联心电图神经网络分类. Acta Academia Medicina Militaris Tertia, Vol.28, (8), pp. 857-858.
877. ✍-Lanquart JP, Dumont M, Linkowski P (2006) QRS artifact elimination on full night sleep EEG. Med. Eng. and Phys., 28 (2), pp. 156-165.
878. ✍-Naresh Bajaj (2005) An estimation of defibrillation threshold based on electrogram signal disorganization, MS thesis, University of Calgary, Canada, 131 pages, http://search.proquest.com/docview/305029469?accountid=26415
879. ✍-Laszlo Hejjel (2005) Technical pitfalls of heart rate variability analysis. PhD thesis, Department of Experimental Surgery, Heart Institute, Medical Faculty, University of Pecs, 91 pages, http://aok.pte.hu/docs/phd/file/dolgozatok/2005/Hejjel_Laszlo_PhD.pdf
880. ✍-Sörnmo L, Laguna P (2005) Bioelectrical Signal Processing in Cardiac and Neurological Applications, eds: Sörnmo L, Laguna P, © Elsevier Inc., 689 pages.
881. ✍-Portet F, Hernández AI Carrault G (2005) Evaluation of real-time QRS detection algorithms in variable contexts. Medical & Biological Engineering & Computing, 43 (3), pp. 379-385.

882. *-Li Xiang-Jun, Chen Yu-Quan (2005) New progress in QRS detection algorithm based on time or frequency transform, Biomedical Engineering Foreign Medical Sciences, 28, (5), pp. 281-286.*
883. *-François Portet (2005) Pilotage d'algorithmes pour la reconnaissance en ligne d'arythmies cardiaques. Thèse le grade de : Docteur de l'Université de Rennes 1, pp. 1-230.*
884. *-Sun Y, Chan KL, Krishnan SM (2005) Characteristic wave detection in ECG signal using morphological transform, BioMedical Central, Cardiovascular Disorders, 5, (28), pp. 1-12*
885. *-Mozhiwen, Feng Jun, Qiu Yazhu, Shu Lan (2005) Neural network classifier based on the features of multi-lead ECG. pp. 33-42 In: Advances in natural computation, Eds: Lipo Wang, Ke Chen, Yew S Ong, 1302 pages.*
886. *-Portet F, Hernández AI, Carrault G (2005) Evaluation of real-time QRS detection algorithms in variable contexts. Medical & Biological Engineering & Computing, 43, pp. 379-385.*
887. *-Jin T, Ji Z, Qin SR (2004) Constraining noise in ECG signals. 3rd Int. Symp. on Instrumentation Science and Technology, 18-22 August, Xian, China, pp. 642-647.*
888. *-Training Akio, Cheng Ru, Hu Zheng-ping (2004) An Electrocardiogram Compression Algorithm Based on Correlative Prediction of R-R Interval, Journal of Electronic Measurement and Instruments, 18, (1), pp. 29-33.*
889. *-Tsipouras MG, Oikonomou VP, Fotiadis DI, Michalis LK, Sideris D (2004) Classification of atrial tachyarrhythmias in electrocardiograms using time frequency analysis, IEEE Computers in Cardiology, 31, pp. 245-258.*
890. *-Тодор В Стоянов (2004) Компютърна обработка и анализ на електрокардиограми. Дисертация за Доктор, БАН*
891. *-Martinez JP, Almeida R, Olmos S, Rocha AP, Laguna P (2004) A wavelet-based ECG delineator: Evaluation on standard databases. IEEE Transactions on Biomedical Engineering, 51, (4), pp. 570-581.*
892. *-Hejjel L (2004) Suppression of power-line interference by analog notch filtering in the ECG signal for heart rate variability analysis: to do or not to do? Med. Sci. Monit., Diagnostics and Medical Technology, 10, (1), pp. 6-13.*
893. *-Tsalikakis DG, Fotiadis DI, Koletis T, Michalis LK (2003) Automated system for the analysis of hearth monophasic action potentials, Computers in Cardiology, 30, pp. 339-342.*
894. *-Köhler BU, Henning C, Orglmeister R (2002) The principles of software QRS detection. IEEE Engineering in Medicine and Biology, 21, (2), pp. 42 -57.*
895. *-Dotsinsky I (2002) Morphological analysis of biomedical signals using contemporary electronic and computer-aided devices: An overview, ed. Technical University – Sofia, Eleventh International Conference Electronics 2002, Sozopol, 25-27 September, book 1, pp. 12-24*
896. *-Software Factory Deusto (2001) I+D de un sistema de detección y monitorización de enfermedades cardiovasculares de un paciente mediante tecnología móvil. Ministerio de Ciencia y Tecnología , 65 pages, http://www.benidorm.org/web/portal/images/imagenes_hoteles/Memoria.pdf*
897. *-Wen L, Z Meng, Y Zhang and J Bai (2001) New developments of QRS-complex detection methods, Foreign Medicine: Biomedical Engineering, 24, (5), pp. 193-199.*
898. *-Wen Lingfeng, Meng Zhaohui, Zhank Yonghong (2000) New developments of QRS-complex detection methods. Tsinghau Report, pp. 1-9, http://york.eea.tsinghua.edu.cn/6.pdf*
899. *-Sijbers J, Van Audekerke J, Verhoye M, Van der Linden A, Van Dyck D (2000) Reduction of ECG and gradient related artifacts in simultaneously recorded human EEG/MRI data. Magnetic Resonance Imaging, 18, pp. 881-886.*

Christov I, Jekova I, Bortolan G (2005) Premature ventricular contraction classification by the Kth nearest neighbours rule, *Physiological measurement,* 26, pp. 123-130.

900. *-Yazdani S, Vesin J-M (2016) Extraction of QRS fiducial points from the ECG using adaptive mathematical morphology. Digital Signal Processing, 56, pp. 100-109.*
901. *-Campos Oliveira LS, Varejao Andreao R, Sarcinelli Filho M (2016) Bayesian network with decision threshold for heart beat classification. IEEE Latin America Transactions, **14,** (3), pp. 1103-1108*
902. *-Mathews SM, Polania LF, Barner KE (2015) Leveraging a discriminative dictionary learning algorithm for single-lead ECG classification. Northeast Biomedical Engineering Conf., 17-19 April, Troy, NY, pp. 1-2.*
903. *-Yasin Kaya, Hüseyin Pehlivan (2015) Classification of premature ventricular contraction in ECG. Int. J. of Advanced Computer Science and Applications, 6, (7), pp. 34-40.*
904. *-Huang Zhenwei (2015) Signal processing techniques for ECG analysis. PhD thesis, Institute of Telecommunication Engineering, National Taiwan University, 120 pages, http://www.airitilibrary.com/Publication/alDetailedMesh?docid=U0001-1507201509150700#Summary*
905. *-Hammed NS, Owis MI (2015) Patient adaptable ventricular arrhythmia classifier using template matching. IEEE Conf. on Biomedical Circuits and Systems. 22-24 Oct., Atlanta, USA, pp. 1-4, DOI: 10.1109/BioCAS.2015.7348370*
906. *-Liliana Vanessa Correia Pereira (2015) Análise de ECG no contexto de telemonitorização em insuficiência cardíaca. MS thesis, Universidade de Coimbra, Spain, 117 pages,*
907. *-Manikandan MS, Ramkumar B, Deshpande PS, Choudhary T (2015) Robust detection of premature ventricular contractions using sparse signal decomposition and temporal features. Healthcare Technology Letters, 8 pages, http://digital-library.theiet.org/content/journals/10.1049/htl.2015.0006*

908. ✍-Ali Tariq Bhatti, Jung Kim (2015) R-peak detection in ECG signal compression for heartbeat rate patients at 1kHz using high order statistic algorithm. Journal of Multidisciplinary Engineering Science and Technology, 2, (9), pp. 2509-2515, http://www.jmest.org/wp-content/uploads/JMESTN42351066.pdf
909. ✍-Saha S, Ghorai S (2015) Effect of feature fusion for discrimination of cardiac pathology. Int. Conf. on Computer, Communication, Control and Information Technology, 7-8 Febr., Hooghly, India, pp. 1-6
910. ✍- Tanantong T, Nantajeewarawat E, Thiemjarus S (2015) False alarm reduction in BSN-based cardiac monitoring using signal quality and activity type information, Sensors, 15, pp. 3952-3974, ISSN: 1424-8220.
911. ✍-Alickovic E, Subasi A (2015) Effect of multiscale PCA de-noising in ECG beat classification for diagnosis of cardiovascular diseases. Circuits, Systems, and Signal Processing, 34, pp. 513-533.
912. ✍-Chandra BS, Sastry CS, Jana S (2014) Reliable low-cost telecardiology: High-sensitivity detection of ventricular beats using dictionaries. IEEE Int. Conf. on e-Health Networking, Applications and Services, 15-18 October, Natal, Brazil, pp. 305-310
913. ✍-Jenny Nam Zheng Ning, Faust Oliver, Yu Wenwei (2014) Automated classification of normal and premature ventricular contractions in electrocardiogram signals. Journal of Medical Imaging and Health Informatics,4, (6), pp. 886-892
914. ✍-Huan Chen, Guo-Tan Liao, Min-Sheng Chien, Bo-Chao Cheng, Ting-Chun Kuo (2014) Hybrid classification engine for cardiac arrhythmia cloud service in elderly healthcare management. DMS conf, 27-29 August, pp. 128-134, http://ksiresearchorg.ipage.com/seke/dms14paper/paper14.pdf
915. ✍-Mohamed AH (2014) Case-based fault diagnostic system. Arab J. of Nuclear Science and Applications, 47, (3), pp. 1-6
916. ✍-Lin Chun-Cheng, Chun-Min Yang (2014) Heartbeat classification using normalized RR intervals and wavelet features. Int. Symp. On Computers, Consumer and Control, 10-12 June, Taichung, Taiwan, pp. 650-653.
917. ✍-Ilankumaran V (2014) Detection and classification of cardiac ventricular arrhythmias using wavelet transform. PhD thesis, Manonmaniam Sundaranar University, India, http://ir.inflibnet.ac.in:8080/jspui/handle/10603/18551
918. ✍-Lin Chun-Cheng, Chun-Min Yang (2014) Heartbeat classification using normalized RR intervals and morphological features. Mathematical Problems in Engineering, 10 pages, http://downloads.hindawi.com/journals/mpe/aip/712474.pdf
919. ✍-Wei Liang, Yinlong Zhang, Jindong Tan, Yang Li (2014) A novel approach to ECG classification based upon two-layered HMMS in body sensor networks. Sensors, 14, pp. 5994-6011
920. ✍-Haider A, Fazel-Rezay R (2014) Heart signal abnormality detection using artificial neural networks. J. of Medical Devices, 8, (2), doi:10.1115/1.4027015
921. ✍-Ik-Sung Cho, Hyeog-Soong Kwon (2013) PVC classification algorithm through efficient R wave detection. J. of Sensor Science and Technology, 22, (5), pp. 338-345 http://dx.doi.org/10.5369/JSST.2013.22.5.338
922. ✍-Sambhu D, Umesh AC (2013) Automatic classification of ECG signals with features extracted using wavelet transform and support vector machines, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, 2,(1), pp.235-241, ISSN:2320–3765
923. ✍-Javadi M (2013) Combining neural networks and ANFIS classifiers for supervised examining of electrocardiogram beats. Journal of Medical Engineering & Technology, 37, (8), pp. 484-497.
924. ✍-Sheng Hu (2013) Body sensor network for in-home personal healthcare. PhD thesis, Michigan Technological University, 161 pages, http://digitalcommons.mtu.edu/etds/63
925. ✍-Akram MU (2013) Cardiac arrhythmia recognition using pruned local SVM, report, 43 pages, http://usmanakram232.github.io/assets/reports/mllocalsvm.pdf
926. ✍-Orhan U (2013) Real-time CHF detection from ECG signals using a novel discretization method. Computers in Biology and Medicine, 43, (10), pp. 1556-1562.
927. ✍-Sayari E, Yaghoobi M (2013) A model presented for classification ECG signals base on Case-Based Reasoning. Journal of Soft Computing and Application, 9 pages, http://ispacs.com/journals/jsca/inpress/jsca-00020.pdf
928. ✍-Valle Suarez Velasquez (2012) Modelos no lineales para el reconocimiento depatreones en senales no estacionarias. Doctorado en Ingeniria Thesis, Universidad Simon Bolivar, 194 pages, http://159.90.80.55/tesis/000155834.pdf
929. ✍-Shwetha Reddy Edla (2012) Adaptive parameter estimation, modeling and patient-specific classification of electrocardiogram signals. PhD thesis, Arizona State University, 120 pages
930. ✍-Aurélio Filipe de Sousa e Silva (2012) Deteção de extra-sístoles ventriculares. PhD thesis, Faculdade de Engenharia da Universidade do Porto, 112 pages, http://repositorio-aberto.up.pt/bitstream/10216/68387/1/000154594.pdf
931. ✍-João Evangelista Neto (2012) Desenvolvimento de métodos de processamento e inteligência computacional no ECG ambulatorial. PhD thesis, Universidade federal do Pará, 133 pages, http://repositorio.ufpa.br/jspui/bitstream/2011/3798/4/Tese_DesenvolvimentoMetodosProcessamento.pdf
932. ✍-Homaeinezhad MR, Ghaffari A, Rahmani R. (2012) Review: Multi-lead discrete wavelet-based ECG arrhythmia recognition via sequential particle support vector machine classifiers. Journal of Medical and Biological Engineering, 32, (6), pp. 381-396, ISSN: 1609-0985.

933. ✍-Zhu Naijie, Chen Bei, Niu Yugang (2012) Sliding mode control for uncertain T-S fuzzy systems with input delays. Information and Control, 41, (5), pp. 622-636
934. ✍-Rabee A, Barhumi I (2012) ECG signal classification using support vector machine based on wavelet multiresolution analysis. Int. Conf. on Information Science, Signal Processing and their Applications (ISSPA), 2-5 July 2012, Montreal, Canada, pp. 1319-1323
935. ✍-Feng Chao, Liang Wei, Zhang Xiaoling, Yang Yutuo, Tan Jindong (2012) Feature extraction method for ECG signal based on HMM in body sensor network. Information and Control, 41, (5), pp. 628-636, ISSN: 1002-0411.
936. ✍-Sheng Hu, Hongxing Wei, Youdong Chen, Jindong Tan (2012) A real-time cardiac arrhythmia classification system with wearable sensor networks. Sensors, online, 12, pp. 12844-12869, ISSN: 1424-8220
937. ✍-Zidelmal Z, Amirou A., Belouchrani A (2012) Heartbeat classification using support vector machines (SVMs) with an embedded reject option. Int. J. of Pattern Recognition and Artificial Intelligence, 26, (1), DOI: 10.1142/S0218001412500012, ISSN: 0218-0014
938. ✍-Zahia Zidelmal (2012) Reconnaissance d'arythmies cardiaques par support vector machines (SVMs). PhD Thesis, Faculté de Génic Elecrique et d'Informatique, Université Mouloud Mammeri, Tizi-Ouzou, Algérie, 145 pages, http://www.ummto.dz/IMG/pdf/These-Zidelmal.pdf
939. ✍-Hui Fang Huang, Guang Shu Hu, Li Zhu (2012) Sparse representation-based heartbeat classification using independent component analysis. Journal of Medical Systems, 36, (3), pp. 1235-1247.
940. ✍-Homaeinezhad MR, Atyabi AS, Tavakkoli E, Toosi HN, Ghaffari A (2012) Ebrahimpour R. ECG arrhythmia recognition via a neuro-SVM–KNN hybrid classifier with virtual QRS image-based geometrical features. Expert Systems with Applications, 39, (2), pp. 2047-2058, ISSN: 0957-4174.
941. ✍-Jongshill Lee, Youngjoon Chee, Inyoung Kim (2012) Personal identification based on vectorcardiogram derived from limb leads electrocardiogram. J of Applied Mathematics, pp. 1-12, ISSN: 1311-1728, online at: http://www.hindawi.com/journals/jam/aip/904905/
942. ✍-Kelvin Cheung (2011) ECG morphological features recognition and its effect to classification. PhD Thesis, Department of Applied Computer Technology, East China Normal University, China, 129 pages, DOI:CNKI:CDMD:1.1012.272492, N124, http://www.cgl.org.cn/auto/db/detail.aspx?db=950002&rid=1577501&agfi=0&cls=0&uni=True&cid=0&showgp=True&prec=False&md=93&pd=6&msd=93&psd=6&mdd=93&pdd=6&count=10&reds=waveform%3Bfeatures
943. ✍-Rooteh ESH, Youmin Zhang, Zhigang Tian (2011) Comparison of parallel and single neural networks in heart arrhythmia detection by using ECG signal analysis. Annual Conf. of the Prognostics and Health Management Society, 25-29 September, Montreal, Canada, pp. 1-9,
944. ✍-Wiens J, Guttag JV (2011) Patient-specific ventricular beat classification without patient-specific expert knowledge: A transfer learning approach. Ann. Int. Conf. of IEEE Engineering in Medicine and Biology Society, 30 August - 3 September, Boston, USA, art. no. 6091453, pp. 5876-5879, ISBN: 978-142444121-1.
945. ✍-Homaeinezhad MR, Tavakkoli E, Ghaffari A (2011) Discrete wavelet-based fuzzy network architecture for ECG rhythm-type recognition: Feature extraction and clustering-oriented tuning of fuzzy inference system. Int. J. of Signal Processing, Image Processing and Pattern Recognition, 4, (3), pp. 107-130, ISSN: 2005-4254
946. ✍-Zidelmal Z, Amirou A., Belouchrani A (2011) Using Support Vector Machines (SVMs) with asymmetrical double hinge loss for ectopic heartbeat detection. Journal of Association for the Advancement of Modeling and Simulation Techniques in Enterprises (AMSE), 18, pp. 1-15, ISSN: 1240-4543.
947. ✍- Liang Wei, Hu Sheng, Shao Zhenzhou, Tan Jindong (2011) A real-time cardiac arrhythmia classification system with wearable electrocardiogram. IEEE Int. Conf. on Automation, Control, and Intelligent Systems, 20-23 March, Kunming, China, pp. 102-106, ISNN: 978-1-4577-0469-7.
948. ✍-Carvalho P, Henriques J, Couceiro R, Harris M, Antunes M, Habetha J (2011)Model-based atrial fibrillation detection, Chapter 5, pp. 99-133. In: ECG signal processing, classification and interpretation: A comprehensive framework of computational intelligence, Eds: Gacek A, Pedrycz W, © Springer, 278 pages, ISBN 978-0-85729-867-6
949. ✍-Shen Z, Hu C, Li P, Meng MQ-H (2011) Research on premature ventricular contraction real-time detection based support vector machine. IEEE Int. Conf. on Information and Automation, ICIA 6-8 June, Shenzhen, China, DOI: 10.1109/ICINFA.2011.5949116 , pp. 864-869, ISSN: 978-1-4577-0268-6.
950. ✍-Sheng Hu, Zhenzhou Shao, Jindong Tan (2011) A real-time cardiac arrhythmia classification system with wearable electrocardiogram. Int. Conf. on Body Sensor Networks, 23-25 May, Dallas, USA, DOI: 10.1109/BSN.2011.17, pp.119-124, ISBN: 978-1-4577-0469-7.
951. ✍-Jinkwon Kim, Se Dong Min, Myoungho Lee (2011) An arrhythmia classification algorithm using a dedicated wavelet adapted to different subjects. Bioedical Engineering Online, 10, (56), 40 pages, ISSN:1475-925X http://www.biomedical-engineering-online.com/content/pdf/1475-925X-10-56.pdf
952. ✍-Homaeinezhad MR, Tavakkoli E, Afshar A, Atyabi SA, Ghaffari A (2011) Neuro-ANFIS architecture for ECG rhythm-type recognition using different QRS geometrical-based features. Iranian Journal of Electrical & Electronic Engineering, 7, (2), pp. 70-83, ISSN: 1735-2827.

953. ✍-Homaeinezhad MR, Tavakkoli E, Atyabi SA, A. Ghaffari A, Ebrahimpour R (2011) Synthesis of multiple-type classification algorithms for robustly heart rhythm type recognizing: Neuro-svm-pnn learning machine with virtual QRS image-based geometrical features. Scientia Iranica, 18, 3, pp. 423-431, ISSN: 1026-3098.
954. ✍-Jaya Prakash Sahoo (2011) Analysis of ECG signal for detection of cardiac arrhythmias. MS Thesis, Department of Electronics and Communication Engineering, National Institute of Technology, Rourkela, India, http://ethesis.nitrkl.ac.in/2826/1/Analysis_of_ECG_signal_for_Detection_of_Cardiac_Arrhythmias.pdf
955. ✍-Kutlu Y, Kuntalp D (2011) A multi-stage automatic arrhythmia recognition and classification system. Computers in Biology and Medicine 41, (1), pp. 37-45, ISSN: 0010-4825.
956. ✍-Cesar Lima Pereira (2010) Tecnicas de reducao de instancias: ATISA e SSMA2. MS thesis, Universidade Federal de Pernambuco, 98 pages, http://repositorio.ufpe.br/handle/123456789/2229
957. ✍- Kors JA, van Herpen G (2010) Computer Analysis of the Electrocardiogram, pp. 1721-1765, In: Compehensive Electrocardiology, Eds: Camm, Janse MG, Kligfield P, Macfarlane PW, Pahlm O, van Oosterom A, © Springer, 4 volumes, 2291 pages
958. ✍-Tong Jia-fei, Dong Jun (2010) Electrocardiogram classification using combined classifiers. J. of Computer Applications, 30, (4), pp. 1125-1128
959. ✍-Chen Xiao-feng, Zhai Hong-lin, Jing Yu-hong (2010) An support vector machine model for classification of premature cardiac contractions. Journal of Lanzhou University, 46, (5), http://d.wanfangdata.com.cn/Periodical_lzdxxb201005022.aspx
960. ✍-Jenna Marleau Wiens (2010) Machine learning for patient-adaptive ectopic beat classification. MS Thesis, Department of Electrical Engineering and Computer Science, © Massachusetts Institute of Technology, USA, 85 pages, http://groups.csail.mit.edu/ddmg/drupal/sites/default/files/main.pdf
961. ✍-Homaeinezhad MR, Ghaffari A, Akraminia M, Atarod M, Daevaeiha MM (2010) Detection and classification of heart premature contractions via α-level binary Neyman-Pearson radius test: A comparative study. Iranian Journal of Electrical & Electronic Engineering, 6, (3), pp. 129-148
962. ✍-Hui Fang Huang, Guang Shu Hu, Li Zhu (2012) Sparse representation-based heartbeat classification using independent component analysis. Journal of Medical Systems, 36, (3), pp. 1235-1247
963. ✍-Arif M, Akram MU, Minhas FAA (2010) Pruned fuzzy K-nearest neighbor classifier for beat classification. J of Biomedical Science and Engineering, 3, pp. 380-389.
964. ✍-Ghaffari A, Homaeinezhad MR, Akraminia M (2010) Discrimination of the heart ventricular and atrial abnormalities via a wavelet-aided adaptive network fuzzy inference system (ANFIS) classifier. Iranian Journal of Electrical & Electronic Engineering, 6, (1), pp. 1-19.
965. ✍-Sayadi O, Shamsollahi MB, Clifford GD (2010) Robust detection of premature ventricular contractions using a wave-based Bayesian framework. IEEE Transactions on Biomedical Engineering, 57, (2), pp. 353-362.
966. ✍-Maatar D, Lachiri Z (2009) Classification automatique d'arythmies par HMM utilisant les parametres morphologiques dans l'ECG. Conférence Traitement et Analyse de l'Information Méthodes et Applications, 4-9 May, Hammamet, Tunisia, art No T0916, 7 pages, http://taima.arts-pi.org.tn/articles/taima-classification-automatique-d-arythmies.pdf
967. ✍-Kim Jin-Kwon, Kang Dae-Hoon, Lee Myoung-Ho (2009) An adaptive classification algorithm of premature ventricular beat with optimization of wavelet parameterization. Journal of Biomedical Engineering Research, 30, (4), pp.294-305.
968. ✍-Goras L, Fira M (2010) Preprocessing method for improving ECG signal classification and compression validation. PHYSCON, 1-4 September, Catania, Italy, pp. 20-25, In: From Physics to Control Through an Emergent View, Eds: Fortuna L, Fradkov A, Frasca M, © World Scientific, 400 pages.
969. ✍-Arif M, Akram MU, Asfar FA (2009) Arrhythmia beat classification using pruned fuzzy K-nearest neighbor classifier. Int. Conf. of Soft Computing and Pattern Recognition, 4-7 December, Malacca, Malaysia, pp. 37-42.
970. ✍-Chudáček V, Georgoulas G, Lhotská L, Stylios C, Petrík M, Čepek M (2009) Examining cross-database global training to evaluate five different methods for ventricular beat classification. Physiological Measurement, 30, pp. 661-677.
971. ✍-Mohamed Ben Messaoud (2009) Traitement des électrocardiogrammes en vue de diagnostic des pathologies cardiaques suivi de applications des systèmes adaptatifs avec modèle de référence aux systèmes électromécaniques. Dr. Ing. Thesis, L'École Nationale d'Ingénieurs de Sfax, République Tunisienne, 171 pages, http://m.benmessaoudg.googlepages.com/J3.PDF
972. ✍-Besrour R, Lachiri Z, Ellouze N (2008) ECG beat classifier using support vector machine. 3rd Int. Conf. on Information and Communication Technologies: From Theory to Applications, ICTTA 2008, 7-11 April, pp. 1-5.
973. ✍-Afsar FA, Akram MU, Arif M, Khurshid J (2008) A pruned fuzzy k-nearest neighbor classifier with application to electrocardiogram based cardiac arrhytmia recognition. 12th IEEE International Multitopic Conference 'INMIC 2008', Karachi, Pakistan, 23-24 December, pp. 143-148.
974. ✍-Henriques J, Carvalho P, Harris M, Antunes M, Couceiro R, Brito M, Schmidt R (2008) Assessment of arrhythmias for heart failure management. 5th International Workshop on Wearable Micro and Nanosystems for Personalised Health, Valencia, Spain, 21-23 May, paper no. 26, pp. 1-6.

975. *Messaoud M Ben (2008) Neuronal classification of atria fibrillation. Leonardo Journal of Sciences, AcademicDirect Publishing House, 12, pp. 196-213.*
976. *Afsar FA, Arif M (2008) Robust electrocardiogram (ECG) beat classification using discrete wavelet transform. Physiological Measurement 29, (5), pp. 555-570.*
977. *Besrour R, Lachiri Z, Ellouze N (2008) ECG Beat classiffier using support vector machine. 3rd International Conference on Information and Communication Technologies: From Theory to Applications, ICTTA 2008, 7-11 April, pp. 1-5.*
978. *Jong Shill Lee, Baek Hwan Cho, Young Joon Chee, In Young Kim, Sun I. Kim (2008) A new approach for personal identification based on dVCG. IEICE Transactions on Information and Systems, E91-D, (4), pp.1201-1205.*
979. *Ribeiro BR, Marques AM, Henriques JH, Antunes MA (2007) Choosing real-time predictors for ventricular arrhythmia detection, Int. J. of Pattern Recognition and Artificial Intelligence 21, (8), pp. 1249-1263.*
980. *Ribeiro BR, Marques AM, Henriques JH, Antunes MA (2007) Premature ventricular beat detection by using spectral clustering methods. Computers in Cardiology, 34, pp. 149-152*
981. *Soria M L Martínez JP (2007) An ECG classification model based on multilead wavelet transform features, Computers in Cardiology, 34, pp. 105-108.*
982. *Suárez KV, Silva JC, Berthoumieu Y, Gomis P, Najim M. (2007) ECG beat detection using a geometrical matching approach. IEEE Transactions on Biomedical Engineering 54, (4), pp. 641-650.*
983. *Gero von Wagner (2006) Entwicklung von methoden zur echtzeitanalyse von EKG-signalen mit neuro-fuzzy-systemen für anwendungsszenarien der telemedizin. Akademischen grades eines Doktor-Ingenieurs, Fakultät für Elektrotechnik und Informationstechnik, Universität Fridericiana Karlsruhe, http://www.ubka.uni-karlsruhe.de/vvv/2007/elektrotechnik/2/2.text*
984. *de Chazal P, Reilly RB (2006) A patient-adapting heartbeat classifier using ECG morphology and heartbeat interval features. IEEE Trans. on Biomed. Eng., 53, (12), pp. 2535-2543.*
985. *Людмила Тодорова (2006) Система за анализ на състоянието на пациенти при отвикване от продължителна механична вентилация, Дисертация за Доктор, ЦЛБМИ, БАН.*

Christov II, Daskalov IK (1999) Filtering of electromyogram artifacts from the electrocardiogram. Med. Eng. & Phys., 21, 10, pp. 731-736.

986. *Barrios-Muriel J, Romero F, Alonso FJ, Gianikellis K (2016) A simple SSA-based de-noising technique to remove ECG interference in EMG signals.Biomedical Signal Processing and Control, 30, pp. 117-126, http://www.sciencedirect.com/science/article/pii/S1746809416300532.*
987. *Garg M, Kaur N (2016) ECG signal enhancement of b-cardia and t-cardia using genetic algorithm and neural network. Int. J. of Advanced Computronics and Management Studies, 1, (3), pp 27-34, http://www.ijacms.com/submittedFiles/c509a6b0-95a5-46d1-aa52-71e47846f822.pdf*
988. *Валентин Цибулко (2016) Праектиране изследване и анализ на методи и устроиства за телеметрично мониториране на пациенти с пейсмейкър. Дисертация за "Доктор", Техн. Унив. – София, 127 стр.*
989. *Ciuomo S, De Pietro G, Farina R, Galletti A, Sannino G (2016) A revised scheme for real time ECG signal denoising based on recursive filtering. Biomedical Signal Processing and Control, 27, pp. 134-144.*
990. *Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*
991. *FHuan Zhou, Li Yongshuai, Li Xiang, Zhang Xuming, Tian Xiaoying (2015) A robust iterative nonlocal means method for electrocardiogram signal denoising. The Institution of Engineering & Technology Conf. on Biomedical Image and Signal Processing, 19-20 Nov., Beijing, China*
992. *Prasad ST, Varadarajan S (2015) ST interval measurement using HT, PCA and ICA. i-Manager's J. on Digital Signal Processing, 3, (2), 1.*
993. *- Тулякова О, Трофимчук АН, Будник НН, Стрижак АЕ (2015) Сравнительный анализ локально-адаптивных нелинейных фильтров для комплексной модели одномерного сигнала. Радіоелектронні і Комп'ютерні Системи, 2, (72), pp. 97-111, ISSN 1814-4225.*
994. *Burattini L, Agostinelli A, Maranesi E, Sbrollini A, Fioretti S, Di Nardo F (2015) Cleaning the electrocardiographic signal from muscular noise. International Workshop on Intelligent Solutions in Embedded Systems, 29-30 Oct., Ancona, Italy, pp. 57-61*
995. *Alexander Wong, Xiao Yu Wang (2015) A Bayesian residual transform for signal processing.IEEE Access, 3, pp. 709-717, 10.1109/ACCESS.2015.2437873*
996. *Li Xiang, Li Yongshuai, Zhou Huan, Ding Mingyue, Zhang, Xuming (2015) Adaptive nonlocal means method for electrocardiogram signal denoising. Journal of Medical Imaging and Health Informatics, 5, (7), pp. 1455-1461*
997. *Ebrahimzadeh E, Pooyan M, Jahani A, Bijar A, Setaredan SK (2015) ECG signals noise removal: selection and optimization of the best adaptive filtering algorithm based on various algorithms comparison. Biomedical Engineering: Applications, Basis and Communications. DOI: 10.4015/S1016237215500386*
998. *Tadeáš Odstrčilík (2015) Analýza a zpracování EKG. MS thesis, Czech Technical University in Prague. 78 pages, https://dspace.cvut.cz/bitstream/handle/10467/61233/F3-DP-2015-Odstrcilik-Tadeas-odstrtad_DP_2015.pdf?sequence=1&isAllowed=y*

999. ✍-Sivaraks H, Ratanamahatana CA (2015) Robust and accurate anomaly detection in electrocardiogram (ECG) artifacts using time series motif discovery. Computational and Mathematical Methods in Medicine, 20 pages, http://downloads.hindawi.com/journals/cmmm/2015/453214.pdf
1000. ✍-Стоян Танев (2015) Продължително наблюдение на важни параметри на сърдечно-съдовата система в екстремни условия. Дисертация за "Доктор". Институт за космически изследвания и технологии –БАН, http://www.space.bas.bg/BG/Procedura%20Tanev/Avtoreferat_Stoyan%20Tanev.pdf
1001. ✍-Ozkaraca O, Guler I (2015) Denoising and remote monitoring of ECG signal with real-time extended Kalman filter in a wearable system. Biomedical Engineering: Applications, Basis and Communications, 27, (1), DOI: 10.4015/S101623721550009X
1002. ✍-Preeti Patial, Er. Kuldeep Singh (2014) Efficient filtering techniques of ECG signal using FIR low pass filter with various window techniques. Int. J. of Advanced Research in Computer Science and Software Engineering, 4, (7), pp. 641- 647, ISSN: 2277 128X.
1003. ✍- Lewandowski J (2014) Mobile application of Artificial Intelligence to vital signs monitoring: Multi-parametric, user-adaptable model for ubiquitous well-being monitoring, PhD Thesis, Coventry University, UK, 340 pages, https://curve.coventry.ac.uk/open/file/fc80e93c-1a7e-419d-84c7-eaed12d4a953/1/lewandowskicomb.pdf
1004. ✍-Patrick Quesnel (2014) Biosignal quality analysis in ambulatory electrocardiograms to enhance detection of myocardial ischemia. MS thesis, Carleton University Ottawa, Ontario, 118 pages, https://curve.carleton.ca/system/files/theses/32077.pdf
1005. ✍-Sharma LN (2014) Denoising pathological multilead electrocardiogram signals using multiscale singular value decomposition. Conf. on ICT and Knowledge Engineering, 18-21 Nov., Bangkok, Thailand, 5 pages
1006. ✍-Alexander Wong, Xiao Yu Wang (2014) A Bayesian residual transform for signal processing. Cornell University Press, pp. 1-7, http://arxiv.org/pdf/1410.0669v1.pdf
1007. ✍-Ananthi S, Vignesh V, Padmanabhan K (2014) Cardiac action potential observation with multi channel electrodes & digital signal processing. Int. J. of Scientific & Engineering Research, 5, (4), pp. 347-352, ISSN 2229-5518
1008. ✍-Marker RJ, Maluf KS (2014) Effects of electrocardiography contamination and comparison of ECG removal methods on upper trapezius electromyography recordings. J. of Electromyography and Kinesiology, 24, (6), pp. 902-909
1009. ✍-Preeti Patial, Kuldeep Singh (2014) Filtering techniques of ECG signal using Fir low pass filter with various Window techniques Int. J. of Engineering Sciences & Research Technology, 3, (8), pp. 122-127, ISSN: 2277 9655, http://www.ijesrt.com/issues%20pdf%20file/Archives-2014/August-2014/20.pdf .
1010. ✍-Тулякова НО (2014) Методы устранения миографического шума в электрокардиограмме. Комп'ютерні системи та інформаційні технології, 2, (66), pp 85-92, http://www.khai.edu/csp/nauchportal/Arhiv/REKS/2014/REKS214/Tulyakova.pdf
1011. ✍-Gachake M, Gawande GS, Khanchandani KB (2014) Performance comparison of various digital filters for elimination of power line interference from ECG signal. Int. J. of Current Engineering and Technology, 4, (3), pp. 1255-1259, http://inpressco.com/wp-content/uploads/2014/05/Paper101255-1259.pdf
1012. ✍-Mihov J (2013) Complex filters for the subtraction procedure for power–line interference removal from ECG. Int. J. of Reasoning-based Intelligent Systems, 5, pp. 146-153.
1013. ✍- Ahmad I, Ansari F, Dey UK (2013) Noise reduction in ECG by IIR filters: A comparative study. Int. J. of Electronics, Communication Engineering & Technology, 4, (4), pp. 13-25.
1014. ✍- Ahmad I, Ansari F, Dey UK (2013) Power line noise reduction in ECG by Butterworth notch filters: A comparative study. Int. J. of Electronics, Communication & Instrumentation Engineering Research and Development, 3, (3), pp. 65-74.
1015. ✍-Joy J, Manimegalai P (2013) Wavelet based EMG artifact removal from ECG signal. Journal of Engineering Computers & Applied Sciences, 2, (8), pp. 55-58.
1016. ✍-Михов Георги (2013) Изследване и усъвършенстване на субтракционния метод за отстраняване на смущения от електрокардиографски сигнали. Дисертация за "Доктор на науките", Техн. Унив. – София, 270 стр.
1017. ✍-Adeyemo ZK, Olayanju SA (2013) Electrocardiogram signals error correction using empirical mode decomposition based technique. Int. J. of Applied Science and Technology, 3, (20), pp.44-54, ISSN: 2221-0997.
1018. ✍-Turajlic E (2013) A fully automatic method for accurate parametrization and reconstruction of ECG waveforms. Biomedical Engineering Conf. 13-15 February, Innsbruck, Austria, CD-version, DOI: 10.2316/P.2013.791-056
1019. ✍-Bagheri F, Ghafarnia N, Bahrami F (2013) Electrocardiogram (ECG) signal modeling and noise reduction using Hopfield neural networks. Engineering, Technology & Applied Science Research, 3, (1), pp. 345-348, ISSN: 1792-8036
1020. ✍-Turajlic E (2012) A novel algorithm for ECG parametrization and synthesis. IEEE-EMBS Conf. on Biomedical Engineering and Sciences, 17-19 December, Langkawi; Malaysia, pp. 927-932.
1021. ✍-Neeraj Kumar, Imteyaz Ahmad, Pankaj Rai (2012) Signal processing of ECG using matlab. Int. J. of Scientific and Research Publications, 2, (10), pp. 1-6, ISSN 2250-3153.

1022. ✍-Илиев И, (2012) Анализ и обработка на електрокардиографски сигнал. Глава 3, В учебник: Илиев И, Табаков С, Дойчев Д, Анализ и обработка на биомедицински сигнали. Издателство на ТУ-София, ISBN: 978-619-167-012-3.
1023. ✍-Arafat MA, Mahmud TB, Billah MS (2012) Retrieving and smoothing fundamental waves from noise corrupted ECG beat using Gaussian functions. Int. Conf. on Electrical and Computer Engineering, 20-22 December, Dhaka, Bangladesh, pp. 153-156, http://203.208.166.84/icece/papers/p721_PID2430721.pdf
1024. ✍-Kasar S, Joshi M (2012) ECG signal processing: A survey. Int. J of Computer Applications, 7, ISBN: 978-93-80866-65-1, http://www.ijcaonline.org/proceedings/iccia/number7/5140-1052
1025. ✍-Иво Илиев (2012) Методи, устройства и системи за телеметрично мониториране на виокорискови пациенти със сърдечносъдови заболявания. Дисертация за "Доктор на науките", Техн. Унив. – София, 199 стр.
1026. ✍-Liu Shu-zhi, Wu Ying, LiYu-zhang (2011) On features of muscle exertion of some chinese elite male long-jumpers during take-off phrase. Journal of Shanghai Physical Eduction Institute, 35, (2), DOI: 10.3969/j.issn.1000-5498.2011.02.014
1027. ✍- Nabil DIB, Bereksi-Reguig F (2011) Algorithm for automatic detection of ECG waves. J. of Mechanics in Medicine and Biology, 11, (1), pp. 15-29.
1028. ✍-Raikova R, Tahtakov K, Chakarov V (2011) Technical device for prevention of spinal column disorders. Pilot EMG study for estimation of back muscle activity. Int. J. of Bioautomation, 15, (2), pp. 115-130, ISSN: 1314-1902.
1029. ✍-Liu Shu-zhi, Wu Ying, (2010) Elite long jumpers' characteristics of muscle activation during take-off. J. of Hebei Institute of Physical Eduction, 24, (6), pp. 65-69, http://d.wanfangdata.com.cn/periodical_hbtyxyxb201006019.aspx
1030. ✍-Yan Lu (2010) An approach to diagnose cardiac conditions from electrocardiogram signals. MS Thesis, Department of Mechanical and Automation Engineering, Chinese University of Hong Kong, 78 pages, http://students.cs.tamu.edu/ylu/index_files/MPhil_Thesis.pdf
1031. ✍-Chavan MS, Agarwala RA, Uplane MD, Gaikwad MS (2010) Design of ECG instrumentation and implementation of digital filter for noise reduction. 9th International Conference on Recent Advances in Signal Processing, Robotics and Automation, 20-22 February, Cambridge, UK, pp. 36-39
1032. ✍-Jarno Riistama (2010) Characterisation of wearable and implantable physiological measurement devices. PhD Thesis, Tampere University of Technology, ISBN 978-952-15-2389-2
1033. ✍-Dotsinsky I, Mihov J (2010) Simple approach for tremor suppression in electrocardiograms. Bioautomation, 14, (2), pp. 129-138
1034. ✍-Mak JNF, Yong Hu, Luk KDK (2010) An automated ECG-artifact removal method for trunk muscle surface EMG recordings. Medicaln Engineering & Physics, 32, (8), pp. 840-848
1035. ✍-Staudenmann D, Roeleveld K, Stegeman DF, van Dieën JH (2010) Methodological aspects of SEMG recordings for force estimation – A tutorial and review. J. of Electromyography and Kinesiology, 20, pp. 375-387.
1036. ✍-Chavan MS, Agarwala RA, Uplane MD, Gaikwad MS (2010) Design of ECG instrumentation and implementation of digital filter for noise reduction. 8th International Conference on Signal Processing, Computational Geometry and Artificial Vision (ISCGAV'08), August 20-22, Rhodes, Greece, pp. 90-93
1037. ✍- Omer Tolga Inan (2009) Novel technologies for cardiovascular monitoring using ballistocardiography and electrocardiography. PhD thesis, Stanford University, California US, 203 pages, http://search.proquest.com/docview/304999743?accountid=26415
1038. ✍- Joseph Nin-Fung Mak (2009) Electromyographic characterization of functional status of back musculature: Applications in low back pain rehabilitation. PhD thesis, University of Hong Kong, 240 pages, http://hub.hku.hk/bitstream/10722/55534/3/FullText.pdf?accept=1
1039. ✍-زهرا بهشتی , سارا معین (2009) بهبود عمل نویز برداری در سیگنال‌های نوار قلب با استفاده از فیلتر کالمن بازگشتی Journal of Transactions on Electrical Technology, 1,(4), pp.44-49, http://www.journaltet.com/file/Vol%201_2009/no.4_October%202009/full%20paper.pdf
1040. ✍-Lu Y, Yan J, Yam Y (2009) Model-based ECG denoising using empirical mode decomposition. IEEE Int. Conf. on Bioinformatics and Biomedicine, BIBM 2009, 1-4 November, Washington DC, USA, pp. 191-196.
1041. ✍-Joseph Nin-Fung Mak (2009) Electromyographic characterization of functional back pain rehabilitation: Application in low back pain rehabilitation. PhD Thesis, University of Hong Kong.
1042. ✍-Butler HL, Newell R, Hubley-Kozey CL, Kozey JW (2009) The interpretation of abdominal wall muscle recruitment strategies change when the electrocardiogram (ECG) is removed from the electromyogram (EMG). Journal of Electromyography and Kinesiology 19, (2), pp. e102-e113.
1043. ✍-Reza Sameni (2008) Extraction of fetal cardiac signals from an array of maternal abdominal recordings. PhD Thesis, Institut Polytechnique de Grenoble, Grenoble, France and Sharif University of Technology, Tehran, Iran, 149 pages, http://hal.archives-ouvertes.fr/docs/00/37/33/61/PDF/PhDThesis-RezaSameni.pdf
1044. ✍-Chavan MS, Agarwala RA, Uplane MD (2008) FIR Equiripple digital filter for reduction of power line interference in the ECG. 7th WSEAS International Conference on Signal Processing, Robotics and Automation (ISPRA '08), University of Cambridge, UK, February 20-22, pp. 147-150

1045. Dotsinsky IA, Mihov GS (2008) Tremor suppression in ECG. Biomedical Engineering Online, 7, 29, doi:10.1186/1475-925X-7-29
1046. Chavan MS, Agarwala RA, Uplane MD (2008) A comparison of Chebyshev I and Chebyshev II filter applied for noise suppression in ECG signal. 7th WSEAS Int. Conf. on Signal Processing, 27-29 May, Istanbul, Turkey, pp. 105-109.
1047. Chavan MS, Agarwala RA, Uplane MD (2008) Rectangular window for interference reduction in ECG. 7th WSEAS International Conference on Signal Processing Istanbul, Turkey, May 27-30, pp. 110-114.
1048. Chavan MS, Agarwala RA, Uplane MD (2008) Comparative study of Chebyshev I and Chebyshev II filter used for noise reduction in ECG signal. International Journal of Circuits, Systems and Signal Processing, 2, (1), pp. 1-17.
1049. Chavan MS, Agarwala RA, Uplane MD (2008) Interference reduction in ECG using digital FIR filters based on rectangular window. Transactions on Signal Processing, 4, (5), pp. 340-349.
1050. Heather Butler (2007) Electromyographic analysis of trunk muscle patterns during functional lifting in a healthy population. PhD thesis, Dalhousie University, Canada, 242 pages, http://dalspace.library.dal.ca//handle/10222/54979
1051. Gonzalez-Landaeta R, Casas Ó, Pallàs-Areny R (2007) Bathroom scales as patient interfaces for home health care. 1st Int. Conf. on Advancements of Medicine and Health Care through Technology, MediTech2007, 27-29th September, Cluj-Napoca, Romania, pp. 173-176
1052. سلا بنيز ، هم ،يكخاک يلكوذ ناس يدهشم يبجر بييد ، يچوتوت (2007) QRS كارساز بهينه جهت طراحي PSO GA لگوريتم ترکيبي سيگنال در ECG. First Joint Congress on Fuzzy and Intelligent Systems, Ferdowsi University of Mashhad, Iran, 29-31 August, http://confbank.um.ac.ir/modules/conf_display/isfs2007/article/i857.pdf
1053. Mneimneh MA, Corliss GF, Povinelli RJ (2007) A cardiac electro-physiological model based approach for filtering high frequency ECG noise, Computers in Cardiology, 34, pp. 109–112.
1054. Butler HL, Newell R, Hubley-Kozey CL, Kozey JW (2007) The interpretation of abdominal wall muscle recruitment strategies change when the electrocardiogram (ECG) is removed from the electromyogram (EMG). Journal of Electromyography and Kinesiology, 19, (2), pp. e102-e113.
1055. Sameni R, Shamsollahi MB, Jutten C, Clifford GD (2007) A nonlinear Bayesian filtering framework for ECG denoising, IEEE Transactions on Biomedical Engineering, 54, (12), pp. 2172-2185.
1056. Dotsinsky IA, Mihov GS (2007) Tremor suppression in the electrocardiogram Ed. Technical University – Sofia, Sixteenth International Conference Electronics 2007, Sozopol, 19–21 September, book 2, pp. 19-26.
1057. Christiane Riedi (2006) Avaliação Eletromoigráfica do desempenho muscular respiratório e periférico. Dissertação programa de pós-graduação em fisioterapia, Universidade Metodista de Piracicaba, pp. 1-169.
1058. Abačherli R, Hornaff S, Leber R, Schmid H-J, Felblinger, J (2006) Improving automatic analysis of the electrocardiogram acquired during magnetic resonance imaging using magnetic field gradient artefact suppression. Journal of Electrocardiology, 39, (4), pp. s134-s139.
1059. McNames J, Aboy M (2006) Reliability and accuracy of heart rate variability metrics versus ECG segment duration. Medical & Biological Engineering & Computing, 44, (9), pp. 747-756.
1060. Gotchev, A (2006) Spline-based techniques for signal and image interpolation and decimation, Lectures, Tampere University of Technology, Tampere, Finland, http://www.cs.tut.fi/~agotchev/DIPII/lecture3.pdf.
1061. Chavan MS, Agarwala RA, Uplane MD (2006) Use of Kaiser window for ECG processing. Proceedings of the 5th International Conference on Signal Processing, Robotics and Automation, Madrid, Spain, pp. 285-289.
1062. Chavan MS, Agarwala RA, Uplane MD (2006) Application of Kaiser Window to ECG signal for reduction of power line interference. WSEAS Trans. on Electronics **3** (3), pp. 126-131.
1063. Drake JMD, Callaghan JP (2006) Elimination of electrocardiogram contamination from electromyogram signals: An evaluation of currently used removal techniques, Journal of Electromyography and Kinesiology, 16, pp. 175-187.
1064. Mohd Fadlee Rasi (2005) Multi-channel GPRS-based mobile telemedicine system with bluetooth and J2ME interface. PhD thesis, Loughborough University, UK, 196 pages, https://dspace.lboro.ac.uk/dspace-jspui/bitstream/2134/8019/2/488527.pdf
1065. Laszlo Hejjel (2005) Technical pitfalls of heart rate variability analysis. PhD thesis, Department of Experimental Surgery, Heart Institute, Medical Faculty, University of Pecs, 91 pages, http://aok.pte.hu/docs/phd/file/dolgozatok/2005/Hejjel_Laszlo_PhD.pdf
1066. Tejero-Calado JC, Lopez-Casado C, Bernal-Martin A, Lopez-Gomez MA Romero-Romero MA, Quesada G, Lorca, J. Rivas R. (2005) IEEE 802.11 ECG monitoring system, 27th Annual International Conference of the Engineering in Medicine and Biology Society, 7139-7142.
1067. Rasid MFA, Woodward B (2005) Bluetooth telemedicine processor for multichannel biomedical signal transmission via mobile cellular networks, IEEE Transactions on Information Technology in Biomedicine, 9, (1), pp. 35-43.
1068. Tejero-Calado JC, Bernal A, López-Gómez MA, López-Casado C, Quesada G, Lorca-Gómez J (2005) A portable ECG monitor using Bluetooth. Proceedings of SPIE - The Intern. Soc. for Optical Eng. 5839, pp. 182-192.
1069. Marque C, Bich C, Dantas R, Elayoubi S, Brosse V, Pérot C (2005) Adaptive filtering for ECG rejection from surface electromyograms, Journal of Electromyography and Kinesiology, 15, (3), pp. 310-315.

1070. *-Тодор В Стоянов (2004) Компютърна обработка и анализ на електрокардиограми. Дисертация за Доктор, БАН*
1071. *-Zhao ZD, Pan M, Li G, Chen YQ (2004) Independent component analysis (ICA) for denoising EMG signal from ECG signal, Journal of Zhejiang University (Engineering Science), 38, (1), pp. 103-107.*
1072. *-Tsalikakis DG, Fotiadis DI, Koletis T, Michalis LK (2003) Automated system for the analysis of hearth monophasic action potentials, Computers in Cardiology, 30, pp. 339-342.*
1073. *-Gotchev, A (2003) Spline and wavelet based techniques for signal and image processing, Doctor of Technology Thesis, Tampere University of Technology, Tampere, Finland, pub. No 429, 191 pages.*
1074. *-Jones B (2003) Bio-transmitter, pp. 1-53 http://murray.newcastle.edu.au/users/students/2003/c9906145/documents/interim.pdf*
1075. *-Öktem H (2003) Transform domain algorithms for biomedical signal and image processing problems PhD thesis, Tampere Uuniversity of Technology, Finland*
1076. *-Nikolaev N, Gotchev A, Egiazarian K, Nikolov Z (2001) Suppression of electromyogram interference on the electrocardiogram by transform domain denoising, Medical & Biological Engineering & Computing, 39, (6), pp. 649-655*
1077. *-Gotchev A, Nikolaev N, Egiazarian K (2001) Improving the transform domain ECG denoising performance by applying inter-beat and intra-beat decorrelating transforms, IEEE Int. Symp. Circuits and Systems ISCAS2001. 6-9 May, Sydney, Australia, Vol. II, pp. 17–20.*
1078. *-Öktem H, Nikolaev N, Gotchev A, Egiazarian K (2000) ECG denoising approaches aimed at detail preservation, Proc. of Biosignal, Brno, Czech Republic, pp. 26-28.*

Christov II, Daskalov IK (1998) Filtering of electromyogram artifacts from the electrocardiogram, ed. Technical University – Sofia, Seventh International Conference Electronics 98, Sozopol, 23-25 September, book 2, pp. 5-10.
1079. *-Dotsinsky I (2002) Morphological analysis of biomedical signals using contemporary electronic and computer-aided devices: An overview, ed. Technical University – Sofia, Eleventh International Conference Electronics 2002, Sozopol, 25-27 September, book 1, pp. 12-24*

Christov II, Dotsinsky IA (1988) New approach to the digital elimination of 50 Hz interference from the electrocardiogram. *Med. & Biol. Eng. & Comp*., 26, pp. 431-434.
1080. *-Zhang Hongjun (2015) Research and development of electrocardiogram P-wave detection technology. Open Automation and Control Systems Journal, 7, pp. 1981-1985*
1081. *-Dobrev DP, Neycheva TD (2014) Current driven automatic electrode impedance balance for ground-free biosignal acquisition. Annual Journal of Electronics, 8, pp. 62-65, ISSN: 1314-0078.*
1082. *-Li N, Hao S., Tang H., Jin Y, Li F (2013) Calibration device for multi-parameter simulator. IEEE Int. Conf. on Electronic Measurement and Instruments, 16-18 August, Harbin, China, pp. 506-509*
1083. *-Krishnan J, Khambete ND, Rajan A, Benjamin B (2013) Low power multiparameter biopotential amplifier system. Int. J. of Science and Research, 2, (11), pp. 186-189, ISSN 2319-7064*
1084. *-Krishnan J, Khambete ND, Rajan A, Benjamin B (2013) Ultra low power electrophysiological monitoring system based on android platform. Int. J. of Scientific & Engineering Research, 4, (12), pp. 856-860, ISSN 2229-5518*
1085. *-Mihov J (2013) Complex filters for the subtraction procedure for power–line interference removal from ECG. Int. J. of Reasoning-based Intelligent Systems, 5, pp. 146-153.*
1086. *-Dobrev DP, Neycheva TD (2013) Analog approach for common mode impedance balance in two-electrode biosignal amplifiers. Annual Journal of Electronics, 7, pp. 68-71, ISSN: 1314-0078*
1087. *-Dobrev DP, Neycheva TD (2013) Digital lock-in technique for input impedance balance in two-electrode biosignal amplifiers. Annual Journal of Electronics, 7, pp. 64-67, ISSN: 1314-0078*
1088. *-Piskorowski J (2013) Time-efficient removal of power-line noise from EMG signals using IIR notch filters with non-zero initial conditions. Biocybernetics and Biomedical Engineering, 33, (3), pp. 171-178.*
1089. *-Михов Георги (2013) Изследване и усъвършенстване на субтракционния метод за отстраняване на смущения от електрокардиографски сигнали. Дисертация за "Доктор на науките", Техн. Унив. – София, 270 стр.*
1090. *- Jiang Feng, Guan Shu-an, Sun Li-hong (2012) A new filter method for elimination 50Hz interference from the ECG. Journal of Wuhan Polytechnic University, 31, (1), DOI: 10.3969/j.issn.1009-4881.2012.01.014*
1091. *-Amiri M, Afzali M, Vahdat BV (2012) Comparison of different electrocardiogram signal power line denoising methods based on SNR improvement. 19th Iranian Conference of Biomedical Engineering, Tehran, 20-21 December, pp. 159-162*
1092. *-Илиев И, (2012) Анализ и обработка на електрокардиографски сигнал. Глава 3, В учебник: Илиев И, Табаков С, Дойчев Д, Анализ и обработка на биомедицински сигнали. Издателство на ТУ-София, ISBN: 978-619-167-012-3*
1093. *-Admoon A, Jordan I (2012) Performance analysis of mobile medical applications. Int. Conf. on e-Learning and e-Technologies in Education, 24-26 September, Lodz, Poland, pp. 230-235.*
1094. *-Dobrev DP, Neycheva TD (2012) Increased power-line interference rejection by a stray capacitance drive. Annual Journal of Electronics, 6, (1), pp. 12-15, ISSN: 1314-0078*

1095. ✍-Mihov GS (2012) Subtraction method for powerline removal from ECG in case of amplitude deviation. Annual Journal of Electronics, 6, (1), pp. 4-7, ISSN: 1314-0078.
1096. ✍-Иво Илиев (2012) Методи, устройства и системи за телеметрично мониториране на виокорискови пациенти със сърдечносъдови заболявания. Дисертация за "Доктор на науките", Техн. Унив. – София, 199 стр.
1097. ✍-Hu Yu, Chen Tao (2011) Restrain the power frequency interference in ECG by digital filtering. Electronic Measurement Technology, 34, (8), http://d.wanfangdata.com.cn/periodical_dzcljs201108006.aspx
1098. ✍-Mihov G (2011) Subtraction procedure for removing powerline interference from ECG: Dynamic threshold linearity criterion for interference suppression. 4th International Conference on Biomedical Engineering and Informatics, BMEI 2011; Shanghai; 15-17 October, DOI: 10.1109/BMEI.2011.6098460, ISBN: 978-142449352-4
1099. ✍-Abbas HH (2011) Removing 0.5 Hz baseline wander from ECG signal using multistage adaptive filter. Eng. & Tech Journal, 29, (11), pp. 2312-2328, ISNN: 1681-6900.
1100. ✍-Dobrev DP, Neycheva TD (2011) Increased power-line interference rejection by adaptive common mode impedance balance. Annual Journal of Electronics, 5, (2), book 1, pp. 80-83, ISSN: 1313-1842
1101. ✍-Dobrev DP, Neycheva TD (2011) Bootstrapped instrumentation biosignal amplifier. Annual Journal of Electronics, 5, (2), book 1, 2011, pp. 76-79, ISSN: 1313-1842.
1102. ✍-Mihov GS, Levkov CL Ivanov RM (2011) Common mode filters for subtraction procedure for removing power-line interference from ECG. Annual Journal of Electronics, 5, (2), book 1, pp. 40-43, ISSN: 1313-1842.
1103. ✍-Yacoub S, Raoof K, Eleuch H (2010) Filtering of cardiac and power line in surface respiratory EMG signal. Applied Mathematics & Information Sciences, 4, (3), pp. 365-382.
1104. ✍-Wan-hua Lin, Wong MY, Li-na Pu, Yuan-ting Zhang (2010) Comparison of median filter and discrete dyadic wavelet transform for noise cancellation in electrocardiogram. IEEE Annual Int. Conf. on Engineering in Medicine and Biology Society, 31 September-4 October, Buenos Aires, Argentina, DOI: 10.1109/IEMBS.2010.5627195 , pp. 2395 – 2398.
1105. ✍-Dai Huhe, Jiang Shouda, Wei Chang'an (2010) A novel suppression algorithm of power line interference in ECG signal. First Int. Conf. on Pervasive Computing, Signal Processing and Applications, 17-19 Sept, Harbin, China, pp. 657-660, ftp://ftp.computer.org/press/outgoing/proceedings/juan/pcspa10/data/4180a657.pdf.
1106. ✍-Михов СГ, Иванов РМ, Попов АН (2010) Адаптиране за работа в реално време с програмируеми устройства на субтракционната процедура за премахване на мрежови смущения от електрокардиографски сигнали. Електротехника и Електроника, Е+Е, 8 pages, http://smihov.info/Paper-19.pdf
1107. ✍-Mico Yee-Man Wong (2010) Comparison of median filter anddiscrete dyadic wavelet transform for noise cancellation in electrocardiogram. Buletin of Advanced Technology Research, 4, (6), pp. 16-20.
1108. ✍-Слави Михов (2010) Изследване, анализ и проектиране на програмируеми цифрови устройства и системи. Дисертация за д-р, факултет Електронна Техника и Технологии, Технически университет – София, 165 стр.
1109. ✍-Yun-fu Tan, Lei Du (2009) Study on wavelet transform in the processing for ECG signals. World Congress on Software Engineering, 19-21 May, Xiamen, China, 4, pp. 515-518.
1110. ✍-Zhidong Z, Chan M (2008) A novel cancellation method of powerline interference in ECG signal based on EMD and adaptive filter, Int. Conf. on Communication Techn. ICCT, 10-12 November, Bangkok, Thailand, pp. 517-520.
1111. ✍-Lin Yu (2008) 近五年研究成果 Scientific contributions of the nominee. http://auto.fcu.edu.tw/~yueder/index.files/research.html
1112. ✍-Mihov GS, Ivanov RM, Levkov CL (2008) Casual filter applications in the subtracting method for power-line interference removing from ECG.Seventeenth International Scientific and Applied Science Conference Electronics 2008, Sozopol, 20-22 September, book 1, pp 49-54.
1113. ✍-Dobrev D, Neycheva T, Mudrov N (2008) Digital lock-in techniques for adaptive power-line interference extraction. Physiological Measurement, 29, pp. 803-816.
1114. ✍-Li Jing, Liu Zhi-gui, Peng Gui-li, Wang Cai-feng (2008) Electrocardiogram detection technology and its clinical application in telemedicine. Transducer and Microsystem Technology, 27, (1), pp. 1-3.
1115. ✍-Dobrev D, Neycheva T, Mudrov N (2008) Bootstrapped two-electrode biosignal amplifier. Medical & Biological Engineering & Computing, 46, (6), pp. 613-619.
1116. ✍-Dobrev DP, Neycheva TD, Mudrov NC (2007) Digital lock-in techniques for adaptive power-line interference extraction. ed. Technical University – Sofia, Sixteenth International Conference Electronics 2007, Sozopol, 19–21 September, book 2, pp. 19-26.
1117. ✍-Hong Wanl, Rongshen Ful, Li Shil (2006) The elimination of 50 Hz power line interference from ECG using a variable step size LMS adaptive filtering algorithm. Life ScienceJournal, 3, (4), pp. 90-93, http://www.sciencepub.org/life/life-0304/life-0304-18.pdf
1118. ✍-Михов Г. (2006) Електронни устройства, системи и методи за обектно-ориентирана обработка на сигнали за потискане на смущения и идентифициране на полезни компоненти. Хабилитационен труд за

научно звание професор, Технически университет - София, Специализиран Съвет по Електронна и Компютърна Техника.

1119. *Abächerli R, Hornaff S, Leber R, Schmid H-J, Felblinger J (2006) Improving automatic analysis of the electrocardiogram acquired during magnetic resonance imaging using magnetic field gradient artefact suppression. Journal of Electrocardiology, 39, (4), pp. s134-s139.*
1120. *Mihov G (2006) Investigation of the linearity criterion in the subtraction method for removing powerline interference from ECG. Fifteenth International Scientific and Applied Science Conference Electronics 2006, Sozopol, 20-22 September, book 3, pp. 110-116.*
1121. *Gotchev, A (2006) Spline-based techniques for signal and image interpolation and decimation, Lectures, Tampere University of Technology, Tampere, Finland, http://www.cs.tut.fi/~agotchev/DIPII/lecture3.pdf.*
1122. *Pawan M, Gaikwad K (2005) Development of a portable ECG and pulse oximeter. Synopsis Report, Department of Electronics, Shivaji University, Kolhapur, India, pp. 1-11, http://www.rkkamat.in/pawan.pdf*
1123. *Dobrev D, Neycheva T, Mudrov N (2005) Simple two electrode biosignal amplifier. Medical & Biological Engineering & Computing, 43, (6), pp. 725-730.*
1124. *徐灵飞, 向平 (2005) 基于C8051F021的便携式心电监视仪, Microcomputer & its Applications (微型机与应用), **24**, (2), pp. 36-37.*
1125. *Jekova I, Krasteva V (2005) Subtraction of 16.67 Hz railroad interference from the electrocardiogram: application for automatic external defibrillators. Physiological measurement, 26, pp. 987-1003.*
1126. *Liu Y-L, Chang N-C, Hsu S-F, Lin D-L, Lin Y-D (2004) An adaptive algorithm for canceling power-line interference in biopotential measurement. Biomed. Eng. - Applications, Basis and Communications, 16, (6), pp. 350-354.*
1127. *Lijun Xu, Yong Yan (2004) Wavelet-based removal of sinusoidal interference from a signal, Measurement Science and Technology, 15, pp. 1779-1786.*
1128. *Mitov I (2004) A method for reduction of power line interference in the ECG, Medical Engineering and Physics, 26, (10), pp. 879-887.*
1129. *Митов И (2004) Метод за намаляване на мрежовите смущения в ЕКГ. Електротехника и Електроника, 5-6, pp. 39-47.*
1130. *Zhou Jing (2003) Elimination of power-line interference from ECG signals. Journal of Biomedical Engineering Research (生物医学工程研究), 22, (4), pp. 61-64.*
1131. *Gotchev A (2003) Spline and wavelet based techniques for signal and image processing, Doctor of Technology Thesis, Tampere University of Technology, Tampere, Finland, pub. No 429, 191 pages.*
1132. *Bifulco P, Cesarelli M, Loffredo L, Sansone M, Bracale M (2003) Eye movement baseline oscillation and variability of eye position during foveation in congenital nystagmus, Documenta Ophthalmologica, 107, (2), pp. 131-136.*
1133. *Georgieva TS, Mihov GS, Doychev DD (2002) Comparative analysis of rejection filters for ECG with signal processor simulator. 37th International Scientific Conference on Information, Communication and Energy Systems and Technologies' ICEST 2002', 2-4 October, Niś, Yogoslavia, pp.35-38.*
1134. *Georgieva TS, Mihov GS, Doychev DD (2002) Theoretical approach to the developments in subtraction method for removing of power-line interference from the electrocardiosignals, ed. Technical University – Sofia, Eleventh International Conference Electronics 2002, Sozopol, 25-27 September, book 1, pp. 12-24.*
1135. *Zhang Jinjia (2001) Power-line interference removal for bioelectric signal measurement. PhD thesis, Institude of Electrical Engineering, National University of Taiwan, Electronic Theses and Dissertations system, http://etds.ncl.edu.tw/theabs/site/sh/detail_result.jsp?id=089NTU00442185*
1136. *Lin Y-D, Chong F-C, Chen F-C, Kao S-T, Chen B-C, Hsu S-F, Lin J-G (2000) The performance estimate for biopotential amplifier. Biomed. Eng. - Applications, Basis and Communications 12 (5), pp. 245-254.*
1137. *Monaco A (2000) Sviluppo di un modulo software per la gestione di un sistema per il controllo remoto dei portatori di pacemaker, Tesi di laurea in tecnologie biomediche, Universita degli studi di Napoli 'Federico II', Facolta di Ingegneria, Dipartimento di Ingegneria Elettronica e delle Telecomunicazioni. http://digilander.libero.it/ninomonaco/Appendice2.html*
1138. *Галидия Иванова Петрова (2000) Методи и електронни устройства за импеданс-кардиография. Дисертация за научна степен Доктор. Техн. Ун. София, филиал Пловдив.*
1139. *Владислав Борисов Колев (2000) Методи за обработка и анализ на електрогастрограми. Дисертация за научна степен Доктор. БАН.*
1140. *Sun Jing-Xia, Bai Yan-Qiang, Yang Yu-Xing (2000) An improved Levkov method for filtering 50 Hz interference in ECG signals. Space Medicine & Medical Engineering, 13, (3), pp. 196-199*
1141. *Kumaravel N, Murali Viswanathan S (1999) Real time implementation of genetic algorithm cancellation of sinusoidal noise in ECG using TMS320C50 DSP processor. Biomed. Sci. Instrumentation 35, pp. 169-174*
1142. *Wu Yongcheng, Yang Yuxing (1999) A New Digital Filter Method for Eliminating 50Hz Interference from the ECG. Chinese Journal of Medical Instrumentation, vol. 23, (3), pp. 1-6.*
1143. *Kumaravel N, Nithiyanandam N (1998) Genetic-algorithm based cancellation of sinusoidal powerline interference in electrocardiograms. Medical & Biological Engineering & Computing, 36, (2), pp. 191-196.*

1144. *Romanca M, Szabo W (1998) Electrocardiogram pre-processing for the removal of high frequency and power line frequency noise. Proc. of IEEE 6th International Conference on Optimization of Electrical and Electronic Equipment, Electronic Medical Application, Brasov, Romania, May 14-15, pp. 703-706.*
1145. *Sahambi JS, Tandon SN, Bhatt RKP (1997) Quantitative analysis of errors due to power-line interference and base-line drift in detection of onsets and offsets in ECG using wavelets. Medical & Biological Engineering & Computing, 35, pp.747-751.*
1146. *Yoo SK, Kim NH, Song JS, Lee TH, Kim KM (1997) Simple self-tuned notch filter in a bio-potential amplifier. Medical & Biological Engineering & Computing, 35, (2), pp. 151-154.*
1147. *Sophocles J. Orfanidis (1996) Introduction to Signal Processing, book published by 清华大学出版社, 798 pages*
1148. *Mihov G (1996) Elimination of mains interference from the ECG in non-synchronized sampling: A theoretical approach. Analysis of biomedical signals and images, 13-th biennial international conference Biosignal '96 proceedings, Jan J, Kilian P, Provaznik I (eds.), Technical University, Brno press, pp. 189-191.*
1149. *Drechsler MV (1996) Contribución al estudio de los micropotenciales cardiacos, Tesis del titulo de Doctor Ingeniero, Universitat politécnica de Catalunya, Departament D'enginyeria, electrónica http://www.tdx.cesca.es/TESIS_UPC/AVAILABLE/TDX-0411105-131803//01Mvd01de11.pdf, http://www.tdx.cesca.es/TESIS_UPC/AVAILABLE/TDX-0411105-131803//11Mvd11de11.pdf*
1150. *Li Gang, Lin Ling, Yu Qilian, Yu Xuemin (1995) A new adaptive coherent model algorithm for removal of power-line interference. Journal of Clinical Engineering, 20, (2), pp. 147-150.*
1151. *Михов Г (1995) Режекторен филтър за компенсационно отстраняване на смущения с мрежова честота от ЕКГ сигнали. Четвърта национална научно приложна конференция "Електронна техника 95" с международно участие, Созопол, 27-29 септ., стр. 210-215.*
1152. *Zygmunt Frankiewicz (1994) System holterowskiz możliwością analizy załamka P elektrokardiogramu. PhD thesis, Politechnika Sląska, 126 pages, http://delibra.bg.polsl.pl/Content/6899/Frankiewicz_calosc.pdf*
1153. *Anderson JM, Dempsey GJ, Wright GTH, Cullen C, Crawley M, McAdams ET, McLaughlin J, Mackenzie G, Adgey AAJ (1994) Portable cardiac mapping assessment of acute ischemic-injury. Methods of Information in medicine, 33, (1), pp. 72-75*
1154. *Yan XG (1993) Dynamic Levkov-Christov subtraction of mains interference. Medical & Biological Engineering & Computing, 31, pp. 635-638.*
1155. *Anderson JM, Dempsey GJ, Wright GTH, Cullen C, Crawley M, McAdams ET, McLaughlin J, Mackenzie G, Adgey AAJ (1993) Portable cardiac mapping assessment of acute ischemic-injury. Proceedings of the IMIA - IFMBE Working Conference on Bio-signal Interpretation, Denmark, 1993, pp. 70-72.*
1156. *Васил Радославов Лолов (1989) Отвеждане, компютърна обработка и анализ на електрическата активност на сърцето. Дисертация КБН, Медицин)ска академия, София*
1157. *Daskalov I (1988) A family of microcomputer electrocardiographs. In: Advances in Biomedical Measurements, Eds.: Carson E, Kneppo P, Krekule I, Plenum Press, New York, London, pp. 3-20.*
1158. *Владимир Петров Пунджев (1988) Автоматичен анализ на сигнала в микропроцесорни електрокардиографи. Дисертация КТН, ВМЕИ - София.*

Christov I, Bortolan G (2004) Ranking of pattern recognition parameters for premature ventricular contractions classification by neural networks. *Physiological measurement*, 25**,** pp. 1281-1290.

1159. *Mateo J, Torres AM, Aparicio A, Santos JL (2016 in press) An efficient method for ECG beat classification and correction of ectopic beats, Computers & Electrical Engineering, doi:10.1016/j.compeleceng.2015.12.015*
1160. *Lus E, Schwartz WR, Chávez GC, Menotti D (2016) ECG-based heartbeat classification for arrhythmia detection: A survey. Computer Methods and Programs in Biomedicine. 127, pp. 144-164*
1161. *Yasin Kaya, Hüseyin Pehlivan (2015) Feature selection using genetic algorithms for premature ventricular contraction classification. Int. Conference on Electrical and Electronics Engineering, 26-28 Nov. Bursa, Turkey, pp. 1229-1232.*
1162. *Zahra Golrizkhatami (2015) Classification of ECG signal by using wavelet transform and SVM. MS thesis, Eastern Mediterranean University, Gazimağusa, North Cyprus, 92 pages, http://i-rep.emu.edu.tr:8080/xmlui/bitstream/handle/11129/1746/GolrizkhatamiZahra.pdf?sequence=1*
1163. *Nabil D, Reguig FB (2015) Ectopic beats detection and correction methods: A review. Biomedical Signal Processing and Control, 18, pp. 228–244, ISSN: 1746-8094*
1164. *Julian Bostock (2014) Automated cardiac rhythm diagnosis for electrophysiological studies, an enhanced classifier approach. PhD thesis, City University London, 290 pages, http://openaccess.city.ac.uk/12186/1/*
1165. *Jenny Nam Zheng Ning, Faust Oliver, Yu Wenwei (2014) Automated classification of normal and premature ventricular contractions in electrocardiogram signals. Journal of Medical Imaging and Health Informatics,4, (6), pp. 886-892*
1166. *Ik-Sung Cho, Hyeog-Soong Kwon (2013) PVC classification algorithm through efficient R wave detection. J. of Sensor Science and Technology, 22, (5), pp. 338-345 http://dx.doi.org/10.5369/JSST.2013.22.5.338*
1167. *Dina Kičmerová (2013) Methods for detection and classification in ECG analysis. PhD thesis, Brno University of Technology, 129 pages, https://dspace.vutbr.cz/xmlui/bitstream/handle/11012/25776/disertace_Kicmerova.pdf*

1168. -Christian Rockstroh (2013) Novel algorithms and rating methods for high-performance ECG classification. Dr of Sci thesis, Friedrich Alexander Universität, Erlangen Nürnberg, 232 pages, http://opus4.kobv.de/opus4-fau/files/4031/ChristianRockstrohDissertation.pdf
1169. -Sansone M, Fusco R, Pepino A, Sansone C (2013) Electrocardiogram pattern recognition and analysis based on artificial neural networks and support vector machines: A review. Journal of Healthcare Engineering, 4, (4), pp. 465-504.
1170. -Javadi M (2013) Combining neural networks and ANFIS classifiers for supervised examining of electrocardiogram beats. Journal of Medical Engineering & Technology, 37, (8), pp. 484-497
1171. -Bashir MEA, Shon HS, Lee DG, Kim H, Ryu KH (2013) Real-time automated cardiac health monitoring by combination of active learning and adaptive feature selection. KSII Transactions on Internet and Information Systems 7, (1), pp. 99-118, ISSN: 1976-7277
1172. -Zhai Hong-Yi, Wang Chun-Min, Zhang Jing, Yin Jing, Qiao Liang (2012) ECG signal monitoring system based on textile electrodes, Journal of Jilin University, 30, (2), pp. 186-192, ISSN: 1671-6896
1173. -Eduardo José da Silva Luz (2012) Classificação automática de arritmias: um novo método usando classificação hierárquica. MS Thesis, Universidade Federal de Ouro Preto, Instituto de Ciências Exatas e Biológicas, 70 pages.
1174. -Homaeinezhad MR, Ghaffari A, Rahmani R. (2012) Review: Multi-lead discrete wavelet-based ECG arrhythmia recognition via sequential particle support vector machine classifiers. Journal of Medical and Biological Engineering, 32, (6), pp. 381-396, ISSN: 1609-0985.
1175. -Jorge Mateo Sotos (2012) Aplicación de redes neuronales artificiales en el procesado versátil de señales electrocardiográficas. PhD Thesis, Departamento de Ingeniería Electrónica, Universitat Politècnica de València. 251 pages, http://riunet.upv.es/bitstream/handle/10251/17530/tesisUPV3934.pdf?sequence=1
1176. -Belgacem Amar (2012) Classification des signaux EGC avec un système-multi-agent neuronale. MS Thesis, Universite Abou Bakr Belkaid-Tlemcen, Algerie, 99 pages
1177. -Georgiev G, Valova I, Gueorguieva N, Lei L (2012) QRS complex detector implementing orthonormal functions. Procedia Computer Science, 12, pp. 426–431, ISSN: 1877-0509.
1178. -Ghorbanian P, Jalali A., Ghaffari A, Nataraj C (2012) An improved procedure for detection of heart arrhythmias with novel pre-processing techniques. Expert Systems, 29, (5), pp. 478-491, ISSN: 1468-0394.
1179. -Nataraj C, Jalali A, Ghorbanian P, (2012) Application of computational intelligence techniques for cardiovascular diagnostics, pp. 211-240, In: The Cardiovascular System – Physiology, Diagnostics and Clinical Implications, Ed: Gaze DC, © InTech, 478 pages, ISBN 978-953-51-0534-3.
1180. -Sekkal M, Chikh MA, (2012) Neuro-Genetic approach to classification of cardiac arrythmias. J. of Mechanics in Medicine and Biology, 12, (1), DOI: 10.1142/S0219519412004430, 13 pages, Online ISSN: 1793-6810
1181. -Homaeinezhad MR, Atyabi AS, Tavakkoli E, Toosi HN, Ghaffari A, Ebrahimpour R. (2012) ECG arrhythmia recognition via a neuro-SVM–KNN hybrid classifier with virtual QRS image-based geometrical features. Expert Systems with Applications, 39, (2), pp. 2047-2058, ISSN: 0957-4174.
1182. -Mateo J, Torres A, Rieta JJ (2011) An efficient method for ectopic beats cancellation based on radial basis function. Ann. Int. Conf. of IEEE Engineering in Medicine and Biology Society, 30 August - 3 September, Boston, USA, art. no. 6091756, pp. 6947-6950, ISBN: 978-142444121-1.
1183. -Homaeinezhad MR, Tavakkoli E, Ghaffari A (2011) Discrete wavelet-based fuzzy network architecture for ECG rhythm-type recognition: Feature extraction and clustering-oriented tuning of fuzzy inference system. Int. J. of Signal Processing, Image Processing and Pattern Recognition, 4, (3), pp. 107-130, ISSN: 2005-4254
1184. -Carvalho P, Henriques J, Couceiro R, Harris M, Antunes M, Habetha J (2011) Model-based atrial fibrillation detection. Chapter 5, pp. 99-133. In: ECG signal processing, classification and interpretation: A comprehensive framework of computational intelligence, Eds: Gacek A, Pedrycz W, © Springer, 278 pages, ISBN 978-0-85729-867-6
1185. -Shen Z, Hu C, Li P, Meng MQ-H (2011) Research on premature ventricular contraction real-time detection based support vector machine. IEEE Int. Conf. on Information and Automation, ICIA 6-8 June, Shenzhen, China, DOI: 10.1109/ICINFA.2011.5949116 , pp. 864-869, ISSN: 978-1-4577-0268-6.
1186. -Mohamed Ezzeldin A. Bashir, Kwang Sun Ryu, Soo Ho Park, Dong Gyu Lee, Jang-Whan Bae, Ho Sun Shon, Keun Ho Ryu (2011) Superiority real-time cardiac arrhythmias detection using trigger learning method, Information Technology in Bio- and Medical Informatics, vol. 6959, pp. 53-65, In: Lecture Notes in Computer Science, ISSN: 0302-9743
1187. -Homaeinezhad MR, Tavakkoli E, Afshar A, Atyabi SA, Ghaffari A (2011) Neuro-ANFIS architecture for ECG rhythm-type recognition using different QRS geometrical-based features. Iranian Journal of Electrical & Electronic Engineering, 7, (2), pp. 70-83, ISSN: 1735-2827.
1188. -Ghorbanian P, Jalali A, Ghaffari A, Nataraj C (2011) An improved procedure for detection of heart arrhythmias with novel pre-processing techniques. Expert System. The Journal of Knowledge Engineering, ISSN: 0266-4720 DOI: 10.1111/j.1468-0394.2011.00606.x
1189. -Mohamed Lamine Talbi (2011) Analyse et traitement du signal électrocardiographique (ECG) Thesis for Doctor of Sci, Département D'électronique, Faculté des Sciences de L'ingénieur, Université Mentouri de Constantine, Algerie, 122 pages, http://bu.umc.edu.dz/theses/electronique/TAL5891.pdf

1190. ✍-Homaeinezhad MR, Tavakkoli E, Atyabi SA, A. Ghaffari A, Ebrahimpour R (2011) Synthesis of multiple-type classification algorithms for robustly heart rhythm type recognizing: Neuro-svm-pnn learning machine with virtual QRS image-based geometrical features. Scientia Iranica, 18, 3, pp. 423-431, ISSN: 1026-3098.
1191. ✍- Sekkal M, Chikh MA, Settouti N (2011) Evolving neural networks using a genetic algorithm for heartbeat classification. J. of Medical Engineering & Technology, 35, (5), pp. 215-223, ISSN:0309-1902.
1192. ✍-Mohamed Ezzeldin A. Bashir, Gyeong Min Yi, Minghao Piao, Ho Sun Shon, Keun Ho Ryu (2011) Fine-tuning ECG Parameters Technique for Precise Abnormalities Detection. Int. Conf. on Bioscience, Biochemistry and Bioinformatics, © IACSIT Press, Singapore, 5, pp. 305-309, ISSN: 2010-4618.
1193. ✍-Eduardo Luz, Rensso Mora Colque (2010) PCC146 Reconhecimento de padrões. Estado da Arte. Universidade Federal de Ouro Preto Instituto de Ciências Exatas e Biológicas, MS Program, 14 pages http://www.decom.ufop.br/menotti/rp102/EstadoDaArte-papers/04-ECGArrythmClassification.pdf
1194. ✍-Alexandros Pantelopoulos (2010) Prognosis: A wearable system for health monitoring of people at risk. PhD Thesis, Department of Computer Science & Engineering, Wright State University, Dayton, Ohio, USA, 242 pages, http://etd.ohiolink.edu/send-pdf.cgi/Pantelopoulos%20Alexandros%20A.pdf?wright1284754643
1195. ✍-Benali R, Dib N, Bereksi RF (2010) Cardiac arrhythmia diagnosis using a neuro-fuzzy approach. Journal of Mechanics in Medicine and Biology, 10, (3), pp. 417-429
1196. ✍-David Menotti (2010) Pattern recognition. State of the art. Lecture 3 of 12, Universidade Federal de Ouro Preto, Instituto de Ciências Exatas e Biológicas, 16 pages, http://www.decom.ufop.br/menotti/rp102/EstadoDaArte-papers/04-ECGArrythmClassification.pdf
1197. ✍-Talbi ML, Charef A, Ravier P (2010) Arrhythmias classification using the fractal behavior of the power spectrum density of the QRS complex and ANN. Int Conf. on High Performance Computing and Simulation, 28 June – July 2, Cean, France, pp. 399-404.
1198. ✍-Homaeinezhad MR, Ghaffari A, Akraminia M, Atarod M, Daevaeiha MM (2010) Detection and classification of heart premature contractions via α-level binary Neyman-Pearson radius test: A comparative study. Iranian Journal of Electrical & Electronic Engineering, 6, (3), pp. 129-148
1199. ✍-Mohamed Ezzeldin A. Bashir, Dong Gyu Lee, Makki Akasha, Gyeong Min Yi, Eun-jong Cha, Jang-whan Bae, Myeong Chan Cho, Keun Ho Ryu. (2010) Highlighting the current issues with pride suggestions for improving the performance of real time cardiac health monitoring. In: Lecture Notes in Computer Science, Eds: Khuri S, Lhotská L, Pisanti N, © Springer-Verlag, vol 6266, pp. 226-233
1200. ✍-Huang H, Hu G (2010) Electrocardiogram beat classification based on the feature selection of Gabor transform. Qinghua Daxue Xuebao/Journal of Tsinghua University, 50, (3), pp. 442-445.
1201. ✍-Ghaffari A, Homaeinezhad MR, Akraminia M (2010) Discrimination of the heart ventricular and atrial abnormalities via a wavelet-aided adaptive network fuzzy inference system (ANFIS) classifier. Iranian Journal of Electrical & Electronic Engineering, 6, (1), pp. 1-19.
1202. ✍-Sayadi O, Shamsollahi MB, Clifford GD (2010) Robust detection of premature ventricular contractions using a wave-based Bayesian framework. IEEE Transactions on Biomedical Engineering, 57, (2), pp. 353-362.
1203. ✍-Perakis K, Koutsouris D (2009)Third generation (3G) cellular networks in telemedicine: Technological overview. pp. 241-259. In: Handbook of Research on Distributed Medical Informatics and E-Health, eds: Lazakidou A & Siassiakos K, 566 pages
1204. ✍-Massey T, Dabiri F, Jafari R,Noshadi H, Brisk P, Sarrafzadeh M, (2009) Reconfigurable embeded medical systems. pp. 228-240. In: Handbook of Research on Distributed Medical Informatics and E-Health, eds: Lazakidou A & Siassiakos K, 566 pages
1205. ✍- Towards reconfigurable embedded medical systems. Workshop on High Confidence Medical Devices, Software, and Systems (HCMDSS) and Medical Device Plug-and-Play Interoperability (MD PnP). Boston MA, June 25-27, pp. 178-180. http://www.cs.ucla.edu/~dabiri/papers/MD_PnP07.pdf
1206. ✍-Dina Kicmerova (2009) Methods for detection and classification in ECG analysis. PhD Thesis, Faculty of Electrical Engineering and Communication, Department of Biomedical Engineering, Brno University of Technology, 130 pages, http://www.vutbr.cz/www_base/zav_prace_soubor_verejne.php?file_id=18986
1207. ✍-Maatar D, Lachiri Z (2009) Classification automatique d'arythmies par HMM utilisant les parametres morphologiques dans l'ECG. Conférence Traitement et Analyse de l'Information Méthodes et Applications, 4-9 May, Hammamet, Tunisia, art No T0916, 7 pages, http://taima.arts-pi.org.tn/articles/taima-classification-automatique-d-arythmies.pdf
1208. ✍-Benali R, Chikh MA (2009) Reconnaissance des extrasystoles ventriculaires par la combinaison des réseaux de neurones et la logique floue. Conférence Internationale sur l'Informatique et ses Applications, CIIA'09, 3-4 May, Saida, Algeria, pp. 1-8, http://sunsite.informatik.rwth-aachen.de/Publications/CEUR-WS/Vol-547/98.pdf
1209. ✍-Jinkwon Kim, Hang Sik Shin, Kwangsoo Shin, Myoungho Lee (2009) Robust algorithm for arrhythmia classification in ECG using extreme learning machine. BioMedical Engineering OnLine, 8, (31), doi:10.1186/1475-925X-8-31
1210. ✍-John Darrington (2009) Real time extraction of ECG fiducial points using shape based detection. PhD thesis, University of Western Australia, 143 pages, http://people.csse.uwa.edu.au/jmd/thesis.pdf.

1211. ✍-Chudáček V, Georgoulas G, Lhotská L, Stylios C, Petrík M, Čepek M (2009) Examining cross-database global training to evaluate five different methods for ventricular beat classification. Physiological Measurement, 30, pp. 661-677.
1212. ✍-Серафим Табаков (2009) Ритъмен анализ на сърдечната дейност, приложим в автономни системи за мониториране. Дисертация за "Доктор", Техн. Унив. – София, 111 стр.
1213. ✍-Mohamed Ben Messaoud (2009) Traitement des électrocardiogrammes en vue de diagnostic des pathologies cardiaques suivi de applications des systèmes adaptatifs avec modèle de référence aux systèmes électromécaniques. Dr. Ing. Thesis, L'École Nationale d'Ingénieurs de Sfax, République Tunisienne, 171 pages, http://m.benmessaoudg.googlepages.com/J3.PDF
1214. ✍-Talbi ML, Charef A (2009) PVC discrimination using the QRS power spectrum and self-organizing maps. Computer Methods and Programs in Biomedicine, 94, (3), pp. 223-231.
1215. ✍-Lhotská L, Chudáček V, Huptych M (2009) ECG dataprocessing, Chapter VII, pp. 137-160, In: Data Mining and Medical Knowledge Managemen, Eds: Berka P, Rauch J, Zighed DA, © Idea Group Inc, 467 pages.
1216. ✍-Besrour R, Lachiri Z, Ellouze N (2008) ECG beat classifier using support vector machine. 3rd Int. Conf. on Information and Communication Technologies: From Theory to Applications, ICTTA 2008, 7-11 April, pp. 1-5.
1217. ✍-Lazakidou AA, Siassiakos KM (2008) Reconfigurable embedded medical system pp. 227-240. In: Handbook of Research on Distributed Medical Informatics and E-Health, Eds: Lazakidou AA, Siassiakos KM, © Idea Group Inc, 569 pages.
1218. ✍-Lazakidou AA, Siassiakos KM (2008) Third generation (3G) Cellular networks in telemedicine. pp. 241-259. In: Handbook of Research on Distributed Medical Informatics and E-Health, Eds: Lazakidou AA, Siassiakos KM, © Idea Group Inc, 569 pages
1219. ✍-Li Sheng-ian, Xu Yi-xin (2008) Development of methods for automatic heatbeat classification. Shanghai Journal of Biomedical Engineering, 29, (3), http://d.wanfangdata.com.cn/Periodical_shswyxgc200803011.aspx
1220. ✍-Li Sheng-ian, Xin Ji-bin, Mo Mei-qi, Xu Yi-xin (2008) Diagnosis Model for Arrhythmia Using QRS Complex. Progress in Biomedical Engineering, 29, 4, http://d.wanfangdata.com.cn/Periodical_shswyxgc200804004.aspx
1221. ✍-Couceiro R, Carvalho P, Henriques J, Antunes M (2008) On the detection of premature ventricular contractions. 30th Ann. Conf. IEEE Engineering in Medicine and Biology Society, 20-24 August, Vancouver, Canada, vol 1-8, pp. 1087-1091.
1222. ✍-Henriques J, Carvalho P, Harris M, Antunes M, Couceiro R, Brito M, Schmidt R (2008) Assessment of arrhythmias for heart failure management. 5th International Workshop on Wearable Micro and Nanosystems for Personalised Health, Valencia, Spain, 21-23 May, paper no. 26, pp. 1-6.
1223. ✍-Messaoud M Ben (2008) Neuronal classification of atria fibrillation. Leonardo Journal of Sciences, AcademicDirect Publishing House, 12, pp. 196-213.
1224. ✍-Besrour R, Lachiri Z, Ellouze N (2008) ECG beat classi1fier using support vector machine. 3rd International Conference on Information and Communication Technologies: From Theory to Applications, ICTTA 2008, 7-11 April, pp. 1-5.
1225. ✍-Darrington J, Hool L (2008) A new methodology for the performance of heartbeat classification systems. BMC Medical Informatics and Decision Making, 8, 7, pp. 1-15, http://www.biomedcentral.com/content/pdf/1472-6947-8-7.pdf.
1226. ✍-Amândio de Carvalho Marques (2007) Detecção de taquicardias ventriculares por redes neuronais e máquinas de vectores de suporte. MS Thesis, Departamento de Engenharia Informática, Universidade de Coimbra, 159 pages, http://eden.dei.uc.pt/~bribeiro/FCT_files_2009/Master_Thesis_AM.pdf
1227. ✍-Jiang BC, Yang WH, Chen JD (2007) The detection of electrocardiogram R-waves based on the concept of slope and continuous runs. 13th ISSAT International Conference on Reliabitity and Quality in Design, 2-4 August, Seattle, pp. 260-264.
1228. ✍-Massey T, Dabiri F, Jafari R,Noshadi H, Brisk P, Kaiser W, Sarrafzadeh M, (2007) Towards reconfigurable embedded medical systems. Workshop on High Confidence Medical Devices, Software, and Systems (HCMDSS) and Medical Device Plug-and-Play Interoperability (MD PnP). Boston MA, June 25-27, pp. 178-180. http://www.cs.ucla.edu/~dabiri/papers/MD_PnP07.pdf
1229. ✍-Krasteva V, Jekova I (2007) QRS template matching for recognition of ventricular ectopic beats. Annals of Biomedical Engineering, 35, (12), pp. 2065-2076.
1230. ✍-Darrington J, Hool L (2007) EKG beat analysis: Minimising redundancy between detection and classification. 5th IASTED Conference on Biomedical Engineering, Innsbruck, Austria,14-16 February, pp. 148-153.
1231. ✍-Iliev I, Krasteva V, Tabakov S (2007) Real-time detection of pathological cardiac events in the electrocardiogram. Physiological Mesurement, 28, pp. 259-276.
1232. ✍-Żurawski M, Kozłowski J (2006) Czy sztuczna inteligencja wesprze medycynę? Sztuczne sieci neuronowe w kardiologii. Postępy Fizyki, 57, (5), pp. 211-215.
1233. ✍-Gero von Wagner (2006) Entwicklung von methoden zur echtzeitanalyse von EKG-signalen mit neuro-fuzzy-systemen für anwendungsszenarien der telemedizin. Akademischen grades eines Doktor-Ingenieurs, Fakultät für Elektrotechnik und Informationstechnik, Universität Fridericiana Karlsruhe, http://www.ubka.uni-karlsruhe.de/vvv/2007/elektrotechnik/2/2.text

1234. *Roozbeh Jafari (2006) Medical Embedded System. PHD thesis, University of California, Los Angeles, pp.1-184.*
1235. *Iliev I, Tabakov S (2006) System for adjustment and test of algorithms for ECG-data processing. Fifteenth International Scientific and Applied Science Conference Electronics 2006, Sozopol, 20-22 September, book 3, pp. 77-80.*
1236. *Jafari R, Noshadi H, Ghiasi S, Sarrafzadeh M (2006) Adaptive electrocardiogram feature extraction on distributed embedded systems, IEEE Transactions on Parallel and Distributed Systems, 17, (8), pp. 797-807.*
1237. *Chudáček V, Hanuliak M, Lhotská L (2005) Clustering of heartbeats for automated ECG Holter analysis, 3rd European Medical & Biological Engineering Conference, IEEE, Prague, Czech Republic, Editors: IEEE, November, 2005. CD-ROM Article No 2113*
1238. *Jekova I, Krasteva V (2005) Fast Algorithm for Vectorcardiogram and Interbeat Intervals Analysis: Application for Premature Ventricular Contractions Classification, Bioautomation, 3, pp. 82-93.*

Jekova I, Bortolan G, Christov I (2008) Assessment and comparison of different methods for heartbeat classification. Medical Engineering & Physics, 30, pp. 248-257.

1239. *Emilio Serrano (2016) Diagnostico automático de patologías cardíacas de bloqueo. Universidad de Málaga, MS thesis, 51 pages, http://riuma.uma.es/xmlui/bitstream/handle/10630/11758/E_Tenorio_Serrano_Memoria.pdf?sequence=1*
1240. *Masetic Z, Subasi A (2016) Congestive heart failure detection using random forest classifier. Computer Methods and Programs in Biomedicine, 130, pp. 54-64,. doi:10.1016/j.cmpb.2016.03.020*
1241. *Elhaj FA, Salim N, Harris AR, Swee TT, Ahmed T (2016) Arrhythmia recognition and classification using combined linear and nonlinear features of ECG signals. Computer Methods and Programs in Biomedicine, 127, pp. 52-63.*
1242. *Mateo J, Torres AM, Aparicio A, Santos JL (2016 in press) An efficient method for ECG beat classification and correction of ectopic beats, Computers & Electrical Engineering, doi:10.1016/j.compeleceng.2015.12.015*
1243. *Muthuvel K, Padma Suresh L, Jerry Alexander (2016) Classification of ECG signals using hybrid feature extraction and classifier with hybrid ABC-GA optimization. Int. Conf. on Soft Computing Systems, In: Advances in Intelligent Systems and Computing, pp. 1003-1011*
1244. *Wu Pei-Fei (2015) A study of conditional random field for arrhythmic beat and rhythm classification. MS thesis, National Chiao Tung University, 68 pages, http://www.airitilibrary.com/Publication/alDetailedMesh?docid=U0030-1705201615102099*
1245. *Danni Ai, Jian Yang, Zeyu Wang, Jingfan Fan, Changbin Ai, Yongtian Wang (2015) Fast multi-scale feature fusion for ECG heartbeat classification EURASIP Journal on Advances in Signal Processing, 46, doi:10.1186/s13634-015-0231-0*
1246. *Muthuvel K, Padma Suresh L (2015) Hybrid features and classifier for classification of ECG signal. Research Journal of Applied Sciences, Engineering and Technology , 9, (12), pp. 1034-1050*
1247. *Saha S, Ghorai S (2015) Effect of feature fusion for discrimination of cardiac pathology. Int. Conf. on Computer, Communication, Control and Information Technology, 7-8 Febr., Hooghly, India, pp. 1-6*
1248. *Alickovic E, Subasi A (2015) Effect of multiscale PCA de-noising in ECG beat classification for diagnosis of cardiovascular diseases. Circuits, Systems, and Signal Processing, 34, (2), pp. 513-533.*
1249. *Liuh-Chii Lin, Yun-Chi Yeh, Tsui-Yao Chu (2014) Feature selection algorithm for ECG signals and its application on heartbeat case determining. Int. J. of Fuzzy Systems, 16, (4), pp. 483-496.*
1250. *Yu Sung-Nien, Liu Fan-Tsen (2014) Subband higher-order statistics and cross-correlation for heartbeat type recognition based on two-lead electrocardiogram. IEEE 36th Annual Int. Conf. of the Engineering in Medicine and Biology Society, 26-30 Aug., Chicago, USA, pp. 42-45*
1251. *Getie Zewdie, Momiao Xiong (2014) Fully automated myocardial infarction classification using ordinary differential equations. Machine Learning Arxiv, pp. 1-24, http://arxiv.org/ftp/arxiv/papers/1410/1410.6984.pdf*
1252. *Shing-Tai Pan, Hung-Chin Chen, Tzung-Pei Hong, (2014) Automatic cardiac arrhythmias recognition from ECG signal based on hidden Markov model. Experimental & Clinical Cardiology, 20, (8), pp. 2672-2678*
1253. *Huifang Huang, Jie Liu, Qiang Zhu, Ruiping Wang, Guangshu Hu (2014) A new hierarchical method for inter-patient heartbeat classification using random projections and RR intervals. BioMedical Engineering OnLine, 13, (90), 26 pages*
1254. *Huifang Huang, Jie Liu, Qiang Zhu, Ruiping Wang, Guangshu Hu (2014) Detection of inter-patient left and right bundle branch block heartbeats in ECG using ensemble classifiers. BioMedical Engineering OnLine, 13, (72), 27 pages*
1255. *Mert A, Kılıc N, Akan A (2014) Evaluation of bagging ensemble method with time-domain feature extraction for diagnosing of arrhythmia beats. Neural Computing & Applications, online, 24, (2), pp. 317-326, ISSN: 1433-3058.*
1256. *--Chu Xun Cui (2013) Heartbeat case determination using cluster analysis method on ECG signals. MS thesis, Ching Yun University of Science and Electronic Engineering, 35 pages, http://www.airitilibrary.com/Publication/alDetailedMesh?docid=U0022-0407201308442500*
1257. *Zhu Yiyun (2013) A simple and effective ECG signal analyzer: Linear Discriminant Analysis (LDA). MS thesis, Ching Yun University of Science and Electronic Engineering, 38 pages, http://www.airitilibrary.com/Publication/alDetailedMesh?docid=U0022-1807201315544900*

1258. -Shing-Tai Pan, Yan-Jia Chiou, Tzung-Pei Hong, Hung-Chin Chen (2013) Automatic recognition for arrhythmias with the assistance of Hidden Markov model. Int. Conf. on Information, Communications and Signal Processing, 10-13 Dec. Tainan, Taiwan, 5 pages
1259. -Christian Rockstroh (2013) Novel algorithms and rating methods for high-performance ECG classification. Dr of Sci thesis, Friedrich Alexander Universität, Erlangen Nürnberg, 232 pages, http://opus4.kobv.de/opus4-fau/files/4031/ChristianRockstrohDissertation.pdf
1260. -Sansone M, Fusco R, Pepino A, Sansone C (2013) Electrocardiogram pattern recognition and analysis based on artificial neural networks and support vector machines: A review. Journal of Healthcare Engineering, 4, (4), pp. 465-504.
1261. -Noack A, Poll R, Fischer W-J, Zaunseder S (2013) QRS pattern recognition using a simple clustering approach for continuous data. IEEE XXXIII Int.Conf. on Electronics and Nanotechnology, 16-19 April, Kiev, Ukraine, pp. 228-232, ISBN: 9781-4673-4669-6.
1262. -Yun-Chi Yeh (2013) Fuzzy logic method for motor quality types on current waveforms. Measurement, 46, (5), pp. 1682-1691, ISSN: 0263-2241
1263. -Manpreet Kaur (2012) Analysis and interpretation of ECG signals. PhD thesis, Sant Longowal Institute of Engineering and Technology, Longowal, Punjab India, 209 pages, http://ir.inflibnet.ac.in:8080/jspui/handle/10603/43995
1264. -Malte Kirst (2012) Verbesserung der automatischen EKG-Analyse durch Hinzunahme von Kontextinformationen, PhD thesis, Fakultät für Elektrotechnik und Informationstechnik des Karlsruher Instituts für Technologie, 206 pages, http://d-nb.info/1030315949/34
1265. -Homaeinezhad MR, Ghaffari A, Rahmani R. (2012) Review: Multi-lead discrete wavelet-based ECG arrhythmia recognition via sequential particle support vector machine classifiers. Journal of Medical and Biological Engineering, 32, (6), pp. 381-396, ISSN: 1609-0985.
1266. -Hakan S, Subasi A (2012) Classification of fetal state from the cardiotocogram recordings using ANN and simple logistic. 3rd Int. Symposium on Sustainable Development, May 31 - June 01, Sarajevo, pp. 499-506.
1267. -Muthulakshmi S, Latha K (2012) Classification of ECG waveform using feature selection algorithm. IEEE Int. Conf. on Advanced Communication Control and Computing Technologies, 23-25 August, Ramanathapuram, Tamilnadu, India, pp. 162 - 165
1268. -Ali Megat MSA, Noor MZH, Jahidin AH, Saaid MF, Zolkapli M (2012) Investigation on Elman neural network for detection of cardiomyopathy. IEEE Control and System Graduate Research Colloquium, 16-17 July, Shah Alam, Malaysia, pp. 328-332, ISBN: 978-1-4673-2035-1
1269. -Yun-Chi Yeh (2012) An analysis of ECG for determining heartbeat case by using the principal component analysis and fuzzy logic. Int. J. of Fuzzy Systems, 14, (2), pp. 233-241, ISSN: 1562-2479
1270. -Alickovic E, Subasi A (2012) Medical decision support system for diagnosis of cardiovascular diseases using DWT and k-NN. 3rd Int. Symposium on Sustainable Development, 31 May - ! June, Sarajevo, Bosnia and Herzegovina, In: Information systems and sustainability, © Burch University, pp. 346-353, ISBN 978-9958-834-16-5, http://issd.ibu.edu.ba/userfiles/file/Volume_2.pdf
1271. -Megat Ali MSA, Zainal CZAC, Husman A, Saaid MF, Noor MHZ, Jahidin AH, (2012) Detection of cardiomyopathy using multilayered perceptron network. IEEE Int. Colloquium on Signal Processing and its Applications, 23-25 March, Malacca, Malaysia, pp. 436-440, ISBN: 978-1-4673-0960-8
1272. -Megat Ali MSA, Jahidin AH, Norali AN (2012) Hybrid multilayered perceptron network for classification of bundle branch blocks. Int. Conf. on Biomedical Engineering, 27-28 February, Penang, Malaysia, pp. 149-154, ISBN: 978-1-4577-1990-5.
1273. -Ying-Hsiang Chen, Sung-Nien Yu (2012) Selection of effective features for ECG beat recognition based on nonlinear correlations. Artificial Intelligence in Medicine, 54, (1), ISSN: 0933-3657.
1274. -Yun-Chi Yeh, Che Wun Chiou, Hong-Jhih Lin (2012) Analyzing ECG for cardiac arrhythmia using cluster analysis. Expert Systems with Applications,39, (1), pp.1000-1010, ISSN:0957-4174 doi:10.1016/j.eswa.2011.07.101
1275. -Homaeinezhad MR, Atyabi AS, Tavakkoli E, Toosi HN, Ghaffari A, Ebrahimpour R. (2012) ECG arrhythmia recognition via a neuro-SVM–KNN hybrid classifier with virtual QRS image-based geometrical features. Expert Systems with Applications, 39, (2), pp. 2047-2058, ISSN: 0957-4174.
1276. -Rooteh ESH, Youmin Zhang, Zhigang Tian (2011) Comparison of parallel and single neural networks in heart arrhythmia detection by using ECG signal analysis. Annual Conf. of the Prognostics and Health Management Society, 25-29 September, Montreal, Canada, pp. 1-9, http://www.phmsociety.org/sites/phmsociety.org/files/phm_submission/2011/phmc_11_008.pdf
1277. -Mateo J, Torres A, Rieta JJ (2011) An efficient method for ectopic beats cancellation based on radial basis function. Ann. Int. Conf. of IEEE Engineering in Medicine and Biology Society, 30 August - 3 September, Boston, USA, art. no. 6091756, pp. 6947-6950, ISBN: 978-142444121-1.
1278. -Kaur M, Arora AS (2011) Unsupervised ECG classification using maximum likelihood factor method. Int. J. of Computer Science and Telecommunications, 2, (7), pp. 59-67, ISSN: 2047-3338.

1279. ✍-Zeraatkar E, Kermani S, Mehridehnavi A, Aminzadeh A, Zeraatkar E, Sanei H (2011) Arrhythmia detection based on morphological and time-frequency features of T-wave in electrocardiogram. J of Medical Signals and Sensors, 1, (2), pp. 1-12, ISSN: 2228-7477.
1280. ✍-Homaeinezhad MR, Tavakkoli E, Ghaffari A (2011) Discrete wavelet-based fuzzy network architecture for ECG rhythm-type recognition: Feature extraction and clustering-oriented tuning of fuzzy inference system. Int. J. of Signal Processing, Image Processing and Pattern Recognition, 4, (3), pp. 107-130, ISSN: 2005-4254
1281. ✍-Mounia H, Benyettou A, Fatiha H, Hiba K (2011) ECG arrythmias recognition system based on fusion of probabilistic neural expert. Ubiquitous Computing and Communication Journal, online, pp. 1-7, ISSN: 1992-8424, http://ubicc.org/files/pdf/499_499.pdf
1282. ✍-Mar T, Zaunseder S, Martínez JP, Llamedo M, Poll R (2011) Optimization of ECG classification by means of feature selection. IEEE Trans on Bomedical Engineering, 58, (8), pp. 2168-2177, ISSN: 0018-9294
1283. ✍-Homaeinezhad MR, Tavakkoli E, Afshar A, Atyabi SA, Ghaffari A (2011) Neuro-ANFIS architecture for ECG rhythm-type recognition using different QRS geometrical-based features. Iranian Journal of Electrical & Electronic Engineering, 7, (2), pp. 70-83, ISSN: 1735-2827.
1284. ✍-Parvaresh S, Ayatollahi A (2011) Automatic atrial fibrillation detection using autoregressive modeling. Int. Conf. on Biomedical Engineering and Technology, 4-5 June, Kuala Lumpur, Malaysia, vol. 11, pp. 105-108, ISSN: 2010-4618, http://www.ipcbee.com/vol11/21-T043.pdf
1285. ✍-Jinkwon Kim, Se Dong Min, Myoungho Lee (2011) An arrhythmia classification algorithm using a dedicated wavelet adapted to different subjects. Bioedical Engineering Online, 10, (56), 40 pages, ISSN:1475-925X http://www.biomedical-engineering-online.com/content/pdf/1475-925X-10-56.pdf
1286. ✍-Nejadgholi I, Moradi MH, Abdolali F. (2011) Using phase space reconstruction for patient independent heartbeat classification in comparison with some benchmark methods. Computers in Biology and Medicine, 41, (6), pp. 411-419 ISSN: 0010-4825.
1287. ✍-Mohamed Ezzeldin A. Bashir, Gyeong Min Yi, Minghao Piao, Ho Sun Shon, Keun Ho Ryu (2011) Fine-tuning ECG parameters technique for precise abnormalities detection. Int. Conf. on Bioscience, Biochemistry and Bioinformatics, © IACSIT Press, Singapore, 5, pp. 305-309, ISSN: 2010-4618.
1288. ✍-Hui Li, Jie Sun (2011) On performance of case-based reasoning in Chinese business failure prediction from sensitivity, specificity, positive and negative values. Appleid Soft Computing, 11, (1), pp. 460-467, ISSN: 1568-4946.
1289. ✍-Mounia H, Abdelkader B,Fatiha H, Hiba K (2011) ECG arrythmias recognition system based on fusion of probabilistic neural expert. Ubiquitous Computing and Communication Journal, pp. 1-7, ISSN: 1992-8424 http://www.docstoc.com/docs/68244636/ECG-ARRYTHMIAS-RECOGNITION-SYSTEM-BASED-ON-FUSION-OF-PROBABILISTIC-NEURAL-EXPERT---Ubiquitous-Computing-and-Communication-Journal
1290. ✍-Nor Hafeezan Kamarudin (2010) Feature extraction and classification of electrocardiogram signal to detect arrhythmia and ischemia disease. MS Thesis, Foculty of Computer Science and Information Technology, University of Malaya, Singapore, 127 pages, http://dspace.fsktm.um.edu.my/xmlui/bitstream/handle/1812/960/MCS%20THESIS%20Nor%20Hafeezah.pdf?sequence=1
1291. ✍-Mohamed Ezzeldin Abdelrahman Bashir (2010) Ultimate real-time cardiac monitoringwith prime hybride Technique: Trigger learning and ECG parameters tuning. PhD Research, Department of Computer Science, School of Electrical and Computing Engineering, Chungbuk National Universiry, 14 pages.
1292. ✍-Hendel M, Benyettou A, Hendel F, Khelil H (2010) Automatic heartbeats classification based on discrete wavelet transform and on a fusion of probabilistic neural networks. Journal of Applied Sciences, 10, (15), pp. 1-9
1293. ✍-Mohamed Ezzeldin A. Bashir, Gyeong Min Yi, Minghao Piao, Ho Sun Shon, Keun Ho Ryu (2010) Organizing the ECG classifier's training dataset with ensemble framework. 3rd Int. Conf. on Frontiers of Information Technology, Applications and Tools (FITAT), 28June-2 July, Yanji, China, pp. 1-4, http://www.sustech.edu/staff_publications/20111214053440255.pdf.
1294. ✍-Ghahremani A, Nabavi, S, Nateghi H (2010) Fast and noise-tolerant method of ECH beats classification using wavelet features and fractal dimension. IEEE Student Conference on Research and Development - Engineering: Innovation and Beyond, 13-14 December, Kuala Lumpur, ISBN:: 978-142448648-9, pp. 310-313
1295. ✍-Fang-Tsen Liu (2010) Subband decomposition methods for two leads electrocardiogram beat discrimination. MS Thesis, Department of Electrical Engineering, National Chung Cheng University, China, 58 pages
1296. ✍-Bani-Hasan MA, Kadah YM, El-Hefnawi FM (2010) Identification of cardiac arrhythmias using natural resonance complex frequencies. World Academy of Science Engineering and Technology, 61, pp. 1144-1150.
1297. ✍-Wang Xiao-Nan, Zhao Ming-Guang, Wang Feng (2010) A system of real-time ECG monitoring in house. Hejingzhi online, 11, (14), pp. 1-7, http://www.hejingzhi.com/uploadfile/201011/14/A200809-1120.pdf
1298. ✍-Bani-Hasan MA, Kadah YM, El-Hefnawi FM (2010) Identification of cardiac arrhythmias using natural resonance complex frequencies. Int. J. of Biological and Life Sciences, 6, (3), pp. 143-149.
1299. ✍-Homaeinezhad MR, Ghaffari A, Akraminia M, Atarod M, Daevaeiha MM (2010) Detection and Classification of Heart Premature Contractions via α-Level Binary Neyman-Pearson Radius Test: A Comparative Study. Iranian Journal of Electrical & Electronic Engineering, 6, (3), pp. 129-148

1300. *Martínez A, Alcaraz R, Rieta JJ (2010) Ectopic beats canceler for improved atrial activity extraction from holter recordings of atrial fibrillation. Computing in Cardiology, 37, pp. 1015-1018*
1301. *Yun-Chi Yeh, Wen-June Wang, Che Wun Chiou (2010) A novel fuzzy C-means method for classifying heartbeat cases from ECG signals. Measurement, Journal of the Int. Measurement Confederation, 43, (10), pp. 1542-1555.*
1302. *Mohamed Ezzeldin A. Bashir, Dong Gyu Lee, Makki Akasha, Gyeong Min Yi, Eun-jong Cha, Jang-whan Bae, Myeong Chan Cho, Keun Ho Ryu. (2010) Highlighting the current issues with pride suggestions for improving the performance of real time cardiac health monitoring. In: Lecture Notes in Computer Science, Eds: Khuri S, Lhotská L, Pisanti N, © Springer-Verlag, vol 6266, pp. 226-233*
1303. *Yeh Y-C, Lin H-J (2010) Cardiac arrhythmia diagnosis method using fuzzy C-means algorithm on ECG signals. Int. Symposium on Computer, Communication, Control and Automation 5-7 May, Tainan, Taiwan, 1, pp. 272-275.*
1304. *Hendel M, Benyettou A., Hendel F, Khelil H (2010) Automatic heartbeats classification based on discrete wavelet transform and on a fusion of probabilistic neural networks. J. Applied Sci., 10, pp. 1554-1562.*
1305. *Ghaffari A, Homaeinezhad MR, Akraminia M (2010) Discrimination of the heart ventricular and atrial abnormalities via a wavelet-aided adaptive network fuzzy inference system (ANFIS) classifier. Iranian Journal of Electrical & Electronic Engineering, 6, (1), pp. 1-19.*
1306. *Yun-Chi Yeh, Wen-June Wang, Che Wun Chiou (2009) Heartbeat case determination using fuzzy logic method on ECG signals. International Journal of Fuzzy Systems, 11, (4), pp. 250-261, http://www.ijfs.org.tw/ePublication/2009_paper_4/ijfs09-4-r-4_IJFS_template-0907-proof%20ok-.pdf*
1307. *Yun-Chi Yeh (2009) Simple and effective QRS complexes detection scheme and its application on cardiac arrhythmia diagnosis by ECG signals. PhD thesis, 94 pages, http://thesis.lib.ncu.edu.tw/ETD-db/ETD-search/view_etd?URN=92541020*
1308. *Yu S-N, Chen Y-H (2009) ECG beat classification based on signal decomposition: A comparative study. IEEE International Symposium on Circuits and Systems, Taipei, Taiwan, 24-27 May, pp 3090-3093.*
1309. *Chudacek V, Georgoulas G, Huptych M, Stylios C, Lhotska L (2009) Discriminating between V and N beats from ECGs introducing an integrated reduced representation along with a neural network classifier. 19th Int. Conf. on Artificial Neural Networks, In: Lecture Notes in Computer Science, © Springer Berlin /Heildelberg, pp 485-494.*
1310. *Marcos JV, Hornero R, Álvarez D, del Campo F, Zamarrón C (2009) Assessment of four statistical pattern recognition techniques to assist in obstructive sleep apnoea diagnosis from nocturnal oximetry. Medical Engineering & Physics, 31, (8), pp. 971-978.*
1311. *Yu S-N, Chen Y-H (2009) Noise-tolerant electrocardiogram beat classification based on higher order statistics of subband components. Artificial Intelligence in Medicine 46 (2), pp. 165-178.*
1312. *Chudáček V, Georgoulas G, Lhotská L, Stylios C, Petrík M, Čepek M (2009) Examining cross-database global training to evaluate five different methods for ventricular beat classification. Physiological Measurement, 30, pp. 661-677.*
1313. *de Lannoy G, Verleysen M, Delbeke J (2009) Assessment and comparison of time realignment methods for supervised heart beat classification. Int. Conf. on Bio-inspired Systems and Signal Processing, Porto, Portugal, 14-17 January, pp. 239-244.*
1314. *Ying-Hsiang Chen (2008) Subband decomposition methods for electrocardiogram beat discrimination. PhD Thesis, Institute of Electrical Engineering, 129 pages.*
1315. *Li Sheng-ian, Xu Yi-xin (2008) Development of methods for automatic heatbeat classification. Shanghai Journal of Biomedical Engineering, 29, (3), http://d.wanfangdata.com.cn/Periodical_shswyxgc200803011.aspx*
1316. *Li Sheng-ian, Xin Ji-bin, Mo Mei-qi, Xu Yi-xin (2008) Diagnosis model for arrhythmia using QRS complex. Progress in Biomedical Engineering, 29, 4, http://d.wanfangdata.com.cn/Periodical_shswyxgc200804004.aspx*
1317. *Naghsh-Nilchi AR, Kadkhodamohammadi AR (2008) Cardiac arrhythmias classification method based on multiple signal classification (MUSIC), Morphological Descriptors and Neural Network.* EURASIP J. on Advances in Signal Processing, *http://209.85.129.132/search?q=cache:PsbrGFqUDWIJ:www.hindawi.com/RecentlyAcceptedArticlePDF*
1318. *Massad E, Ortega NRS, de Barros LC, Struchiner CJ (2008) … and Beyond: Fuzzy logic in medical diagnosis Study in Fuzziness and Soft Computing, 232, pp. 277-310, pp. 313-333*

Daskalov IK, Christov II (1997) Improvement of resolution in measurement of electrocardiogram RR intervals by interpolation, *Med. Eng. & Phys.*, 19, 4, pp. 375-379.

1319. *Watanabe M, Kaneko S, Takayama S, Shiraishi Y, Numata T, Saito N, ... (2016). The pilot study of evaluating fluctuation in the blood flow volume of the radial artery, a site for traditional pulse diagnosis. Medicines, 3, (2), 11 pages, http://www.mdpi.com/2305-6320/3/2/11/htm.*
1320. *Jeyhani V, Mahdiani S, Peltokangas M, Vehkaoja A (2015) Comparison of HRV parameters derived from photoplethysmography and electrocardiography signals. 37th IEEE Conf. of Engineering in Medicine and Biology Society, 25-29 August, Milan, Italy, pp. 5952-5955, 10.1109/EMBC.2015.7319747*
1321. *Melillo P, Castaldo R, Sannino G, Orrico A, de Pietro G, Pecchia L (2015) Wearable technology and ECG processing for fall risk assessment, prevention and detection. 37th IEEE Conf. of Engineering in Medicine and Biology Society, 25-29 August, Milan, Italy, pp. 7740-7743*

1322. *-Mahdiani Shadi, Jeyhani Vala, Peltokangas Mikko, Vehkaoja Antti (2015) Is 50 Hz high enough ECG sampling frequency for accurate HRV analysis? 37th IEEE Conf. of Engineering in Medicine and Biology Society, 25-29 August, Milan, Italy, pp. 5948-5951.*
1323. *- Schiecke K, Schmidt C, Piper D, Putsche P, Feucht M, Witte H, Leistritz L (2015) Assignment of empirical mode decomposition components and its application to biomedical signals.* Methods of Information in Medicine, *54, (5), pp. 461-473.*
1324. *-Sannino G, Melillo P, Stranges S, De Pietro G, Pecchia L (2015) Short term heart rate variability to predict blood* pressure drops due to standing: a pilot study. *Medical Informatics and Decision Making*, 15, (3), http://www.biomedcentral.com/1472-6947/15/S3/S2
1325. *- Ellis RJ, Zhu B, Koenig J, Thayer JF, Wan Y (2015) A careful look at ECG sampling frequency and R-peak interpolation on short-term measures of heart rate variability. Physiological Measurement, 36, pp. 1827-1852*
1326. *-Moreno J, Ramos-Castro J, Movellan J, Parrado E, Rodas G, Capdevila L (2015) Facial video-based photoplethysmography to detect HRV at rest. Int. J. of Sports Medicine, 36 (6), pp. 474-480 .*
1327. *-Jordi Moreno Sanchez (2015) Esport, salut i HRV: monitorizacio psicofisiologica de l'estres i la recuperacio amb dispositius mobils, PhD thesis, Universitat Autonoma de Barcelona, Spain, 181 pages, http://www.tdx.cesca.cat/bitstream/handle/10803/298302/jms1de1.pdf?sequence=1*
1328. *-Schiecke K, Wacker M, Benninger F, Feucht M, Leistritz L, Witte H (2015) Matching pursuit based time-variant bispectral analysis and its application to biomedical signals IEEE Transactions on Biomedical Engineering, 62, (8), pp.1937-1948*
1329. *-Keresnyei R, Megyeri P, Zidarics Z, Hejjel L (2015) Selecting the optimal anti-aliasing filter for multichannel biosignal acquisition intended for inter-signal phase shift analysis. Physiological Measurement, 36, (1), pp. N23-N34*
1330. *-Cappiello G, Das S, Mazomenos EB, Maharatna K, Koulaouzidis G, Morgan J, Puddu PE (2015) A statistical index for early diagnosis of ventricular arrhythmia from the trend analysis of ECG phase-portraits. Physiological Measurement, 36, (1), pp. 107-131*
1331. *-Tiusanen MG, Hautala MI, Ternman EM, Pastell ME (2015) Geometrical method for interpolating S-peaks from cow ECG using a microcontroller. Biosystems Engineering, 129 pp. 324–328*
1332. *-Amihai I, Kozhevnikov M (2014) Arousal vs. Relaxation: A Comparison of the neurophysiological and cognitive correlates of Vajrayana and Theravada meditative practices. Plos One online, 9,(7), pp. 1-16*
1333. *-Sidek KA, Mai V, Khalil I (2014) Data mining in mobile ECG based biometric identification Journal of Network and Computer Applications. 44, p. 83-91, http://www.sciencedirect.com/science/article/pii/S1084804514000915*
1334. *-Stewart GM, Kavanagh JJ, Koerbin G, Simmonds MG, Sabapathy S (2014) Cardiac electrical conduction, autonomic activity and biomarker release during recovery from prolonged strenuous exercise in trained male cyclists. European Journal of Applied Physiology, 114, (1), pp. 1-10*
1335. *-Sidek KA, Khalil I (2013) Enhancement of low sampling frequency recordings for ECG biometric matching using interpolation. Computer Methods and Programs in Biomedicine, 109, (1), pp. 13-25, ISSN: 0169-2607*
1336. *-Khairul Azami Sidek (2013) Robust ECG based person identification system. PhD thesis, College of Science, Engineering and Health RMIT University, 186 pages, https://researchbank.rmit.edu.au/eserv/rmit:160905/Sidek.pdf*
1337. *- Fausto Lucena de Oliveira (2012) HRV estimation from BP and coding strategy. Analysis of the cardiovascular regulation. PhD Thesis, Nagoya University, 118 pages http://ir.nul.nagoya-u.ac.jp/jspui/bitstream/2237/16437/1/k9695.pdf*
1338. *-Kheiri F, Bragin A, Engel JJ, Almajano J, Winden E (2012) Non-linear classification of heart rate parameters as a biomarker for epileptogenesis. Epilepsy Research, 100, (1-2), pp. 59-66, ISSN: 0920-1211, http://dx.doi.org./10.1016/j.eplepsyres.2012.01.008*
1339. *-Kesper K, Canisius S, Penze T, Ploch T, Cassel W (2012) ECG signal analysis for the assessment of sleep-disordered breathing and sleep pattern. Medical & Biological Engineering & Computing, 50, (2), pp. 135-144, ISSN: 1741-0444.*
1340. *-Reza Amanipour (2011) An investigation into the effect of blood glucose level changes on LF/HF parameter of HRV signal in non-diabetic and diabetic individuals. MS Thesis, University of Texas at El Paso, 357 pages*
1341. *-Mika Tarvainen (2011) Dynamic spectral analysis of biomedical signals with application to electroencephalogram and heart rate variability, Chapter 3, pp.39-84, In: Statistical methods for modeling human dynamics, Eds: Sy-Miin Chow,Emilio Ferrer,Fushing Hsieh, © Taylor and Francis,428 pages, ISBN: 978-1-84872-825-7*
1342. *-Kristiansen J, Korshoj M, Skotte JH, Jespersen T, Sogaard K, Mortensen OS, Holtermann A (2011) Comparison of two systems for long-term heart rate variability monitoring in free-living conditions - a pilot study. BioMedical Engineering OnLine, 10, (27), 25 pages, ISSN: 1475-925X, http://preview.biomedical-engineering-online.com/content/pdf/1475-925X-10-27.pdf*
1343. *-Alcaraz R, Hornero F, Rieta JJ (2011) Surface ECG organization time course analysis along onward episodes of paroxysmal atrial fibrillation. Medical Engineering & Physics, 33, (5), pp. 597-603, ISSN: 1350-4533.*
1344. *-Abásolo D, Alcaraz R, Rieta JJ (2011) Lempel-Ziv complexity analysis for the evaluation of atrial fibrillation organization. Biomedical Engineering, 16-18 February, Innsbruck, Austria, pp. 30-35, ISBN: 978-0-88986-866-3*

1345. ✍-Akbas A, Kalkan YS (2010) Desining a microcontroller-based portable MMC/SD card recorder: Time and frequency domain analysis of HRV using sequential interbeat times. Chapter 8, pp.170 -193, In: Handbook of research on developments in e-health and telemedicine : technological and social perspectives, Eds: Cruz-Cunha MM, Tavares AJ, © IGI Global, 1486 pages.
1346. Eduardo Rodríguez Flores (2010) Utilización y adaptación de técnicas de la física estadística para el análisis de ✍-las fluctuaciones cardiacas. DSci Thesis, División de Ciencias Básicas e Ingeniería, Universidad Autónoma Metropolitana – Iztapalapa, Mexico, 172 pages
1347. ✍-Matteo Migliorini, Domenico Nistico (2010) Time-frequency analysis of the ballistocardiogram for sleep staging. MS Thesis. Facoltà di Ingegneria dei Sistemi, Politecnico di Milano, 166 pages, https://www.politesi.polimi.it/bitstream/10589/2104/1/Matteo_COMPLETA.pdf
1348. ✍-Alcaraz R, Abásolo D, Hornero F, Rieta JJ (2010) Optimal parameters study for sample entropy-based atrial fibrillation organization analysis. Computer Methods and Programs in Biomedicine, 99, (1), pp. 124-132.
1349. ✍-Yalçın İşler (2009) A detailed analysis of the effects of various combinations of heart rate variability indices in congestive heart failure. PhD thesis, Dokuz Eylül University, Izmir, 166 pages, http://www.islerya.com/files/biomedical/yalcin_isler_tez.pdf
1350. ✍-Janani Sriram (2009) Activity-aware electrocardiogram-based passive ongoing biometric verification. Thesis, Dartmouth College, Hanover, New Hampshire, 66 pages, http://www.cs.dartmouth.edu/reports/TR2009-655.pdf
1351. ✍-Lucena F, Barros AK, Takeuchi Y, Ohnishi N (2009) Heart instantaneous frequency based estimation of HRV from blood pressure waveforms. IEICE Transactions on Information and Systems, vol. E92D, 3, pp. 529-537.
1352. ✍-Noponen K, Kortelainen J, Seppänen T (2009) Invariant trajectory classification of dynamical systems with a case study on ECG. Pattern Recognition. 42, (9), pp. 1832-1844.
1353. ✍-Lindley TE, Infanger DW, Rishniw M, Zhou Y, Doobay MF, Sharma RV, Davisson RL (2009) Scavenging superoxide selectively in mouse forebrain is associated with improved cardiac function and survival following myocardial infarction. Am. J of Physiology - Regulatory Integrative and Comparative Physiology, 296, (1), pp. R1-R8
1354. ✍-Mickael Pruvost (2008) Crises convulsives et systéme nerveux autonome. Analyse de la coordination cardiorespiratoire par des méthodes spectrale, géométrique et symbolique. Docteur de l'universite de Picardie, Universite De Picardie – Jules Verne, Faculte de Medecine d'Amiens, France, 147 pages, http://hal.archives-ouvertes.fr/docs/00/27/52/35/PDF/These-Total.pdf
1355. ✍-Daniel Sánchez Morillo (2008) Procesado y transmisión de señales biomédicas para el diagnóstico de trastornos y enfermedades del sueño. Tesis Doctoral. Departamento de Ingeniería de Sistemas y Automática, Tecnología Electrónica y Electrónica.Universidad de Cádiz, 266 pages
1356. ✍-Huabin Zheng, Jiankang Wu (2008) A Real-Time QRS detector based on discrete wavelet transform and cubic spline interpolation. Telemedicine and e-Health, 14, (8), pp. 809-815.
1357. ✍-Alcaraz R Rieta JJ (2008) Adaptive singular value cancelation of ventricular activity in single-lead atrial fibrillation electrocardiograms. Physiological Measurement, 29, pp. 1351-1369.
1358. ✍-Mickael Pruvost (2007) Crises Convulsives et Systéme Nerveux Autonome. Analyse de la Coordination Cardiorespiratoire par des Méthodes Spectrale, Géométrique et Symbolique. These pour obtenir le grade de Docteur de L'universite ee Picardie, Universite De Picardie – Jules Verne, Faculte de Medecine D'amiens, 147 pages, http://hal.archives-ouvertes.fr/docs/00/27/52/35/PDF/These-Total.pdf
1359. ✍-Morillo DS, Ojeda JLR, Foix LFC, Rendón DB, León (2007) Monitoring and analysis of cardio respiratory and snoring signals by using an accelerometer. 29th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Lyon, France, 22-26 Aug., pp. 3942–3945.
1360. ✍-Bonnet C, Partington JR, Sorine M (2007) A vectorial Matching Pursuit algorithm applied to theanalysis of vecto-cardiogram data,Institut National de Recherche en Informatique et en Automatique, Rapport de Recherche, http://citeseer.ist.psu.edu/305373.html.
1361. ✍-Роман Александрович Шеповальников (2006) Методы и система для оперативного контроля состояния плода во время родов по ЭКГ. кандидат технических наук (PhD Thesis) Санкт-Петербург, 131 страниц, http://www.dissercat.com/content/metody-i-sistema-dlya-operativnogo-kontrolya-sostoyaniya-ploda-vo-vremya-rodov-po-ekg
1362. ✍-Tarvainen MP, Niskanen J-P (2006) Kubios HRV Analysis. User's Guide, Department of Physics, University of Kuopio, Kuopio, Finland, http://bsamig.uku.fi/kubios/kubios_hrv_users_guide.pdf
1363. ✍-McNames J, Aboy M (2006) Reliability and accuracy of heart rate variability metrics versus ECG segment duration. Medical & Biological Engineering & Computing, 44 (9), pp. 747-756.
1364. ✍-Матвеев М (2006) Инженерни подходи към оценката на сърдечния риск. Хабилитационен труд за научно звание ст.н.с. I ст., Българска Академия на Науките, Специализиран Съвет по Електронна и Компютърна Техника.
1365. ✍-Matveev M, Prokopova R, Nachev Ch (2006) Normal and Abnormal Circadian Characteristics in Autonomic Cardiac Control: New Opportunities for Cardiac Risk Prevention. Nova Science Publishers, Inc., New York, USA.

1366. *Laszlo Hejjel (2005) Technical pitfalls of heart rate variability analysis. PhD thesis, Department of Experimental Surgery, Heart Institute, Medical Faculty, University of Pecs, 91 pages, http://aok.pte.hu/docs/phd/file/dolgozatok/2005/Hejjel_Laszlo_PhD.pdf*
1367. *Hoos O (2005) Spektralanalyse der Herzfrequenzvariabilität (HRV) im Sport - Grundlagen, Restriktionen und Anwendungen, 3. Int. Symposium Herzfrequenzvariabilität: Methoden und Anwendungen in Sport und Medizin, 5. November 2005 in Halle (Saale) Eds: Audimax der Martin-Luther-Universität Halle-Wittenberg (Universitätsplatz)*
1368. *Bragge T, Tarvainen MP, Ranta-aho PO, Karjalainen PA (2005) High-resolution QRS fiducial point corrections in sparsely sampled ECG recordings, Physiological Measurement, 26, pp. 743-751.*
1369. *Hejjel L, Kellenyi L (2005) The corner frequencies of the ECG amplifier for heart rate variability analysis, Physiological Measurement, 26, pp. 39-47.*
1370. *Tarvainen Mika (2004) Estimation methods for nonstationary biosignals, PhD Thesis, Department of applied Physics, University of Kuopio, Finland.*
1371. *Bonnet C, Partington JR, Sorine M (2004) A modified matching pursuit algorithm applied to the approximation of vecto-cardiogram data, International Journal of Pure and Applied Mathematics, 15, (1), pp. 25-34.*
1372. *Тодор В Стоянов (2004) Компютърна обработка и анализ на електрокардиограми. Дисертация за Доктор, БАН*
1373. *Hejjel L, Roth E (2004) What is the adequate sampling interval of the ECG signal for heart rate variability analysis in the time domain?, Physiological Measurement, 25, (6), pp. 1405-1411.*
1374. *Bragge T, Tarvainen MP, Karjalainen PA (2004) High-resolution QRS detection algorithm for sparsely sampled ECG recordings, University of Kuopio, Department of applied Physics, Report series ISSN 0788-4672, http://it.uku.fi/biosignal/pdf/QRSdet.pdf*
1375. *Bonnet C, Partington JR, Sorine M (2004) A modified matching pursuit algorithm applied to the approximation of vecto-cardiogram data, Institut National de Recherche en Informatique et en Automatique, Rapport de Recherche, No 94A12, 92C50.*
1376. *Kalchev I (2003) DSP-Algorithms for cardiac symptoms investigations, International Scientific Journal of Computing, 2, (2), pp. 106-109.*
1377. *Kalchev I (2003) DSP-Algorithms for cardiac symptoms investigations, IDAACS2003: Proceedings of the Second IEEE International Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, pp. 331-334.*
1378. *Bonnet C, Partington JR, Sorine M (2002) A vectorial matching pursuit algorithm with an application to the analysis of vectorcardiogram signals, Institut National de Recherche en Informatique et en Automatique, Rapport de Recherche, No. 4535.*
1379. *Sahni R, Schulze KF, Kashyap S, Ohira-Kist K, Fifer WP, Myers MM (2000) Maturational changes in heart rate and heart variability in low birth weight infants, Developmental Psychobiology 37, pp. 73-81.*
1380. *Sahni R, Schulze KF, Kashyap S, Ohira-Kist K, Fifer WF, Myers MM (1999) Postural differences in cardiac dynamics during quiet and active sleep in low birthweight infants, Acta Paediatrica, 88, pp. 1396-1401.*
1381. *Srikanth T, Napper SA, Gu H (1998) Assessment of resampling methodologies of electrocardiogram signals for feature extraction, statistical and neural networks applications, Computers in Cardiology, 25, pp. 537-540.*

Daskalov, IK, Christov, II (1999) Automatic detection of the electrocardiogram T-wave end, *Med. & Biol. Eng. & Comp*. **37**, pp. 348-353.

1382. *İşcan M, Yiğit F, Yilmaz C (2016) T-wave end pattern classification based on Gaussian mixture model. Signal Processing and Communication Application Conf., 16-19 May, Zonguldak, Turkey, pp. 1953-1956*
1383. *Ananthi S, Vignesh V, Hariprakash R, Padmanabhan K (2016) Remote monitoring of the heart condition of athletes by measuring the cardiac action potential propagation time using a wireless sensor network. Int. J. of Engineering and Technology Innovations, 6, (2), pp. 123-134, http://sparc.nfu.edu.tw/~ijeti/download/V6-no2-123-134.pdf*
1384. *Ananthi S, Vignesh V, Padmanabhan K (2016) Альтернатива диагностике Q-волны с использованием измерения времени распространения сердечного потенциала. Российский Кардиологический Журнал, 4, pp. 179-186, http://russjcardiol.elpub.ru/jour/article/view/827 .*
1385. *Giuliani C, Agostinelli A, Di Nardo F, Fioretti S, Burattini L (2016) Automatic identification of the repolarization endpoint by computing the dominant T-wave on a reduced number of leads. The Open Biomedical Engineering Journal, 10, pp. 43-50, http://www.benthamopen.com/contents/pdf/TOBEJ/TOBEJ-10-43.pdf*
1386. *Seisdedos CRV, Neto JE, León AAS, Oliveira RCL (2015) Two solutions for the processing of ambulatory electrocardiogram. J. of Engineering and Technology for Industrial Applications, 1, (2), pp. 56-61*
1387. *Gao Ping (2015) Development of obstructive sleep apnea event detection algorithms based on heart rate variability and ECG morphology features. Thesis, National Cheng Kung University, 57 pages, http://www.airitilibrary.com/Publication/alDetailedMesh?docid=U0026-1311201519153100*
1388. *Hasan MA, Abbott D (2015) A review of beat-to-beat vectorcardiographic (VCG) parameters for analyzing repolarization variability in ECG signals. Biomedical Engineering / Biomedizinische Technik, DOI: 10.1515/bmt-2015-0005*

1389. ✍-Corrado Giuliani (2015) Automatic analysis of electrocardiographic repolarization: innovative approaches in the time and frequency domains. PhD thesis, 105 pages, http://www.openarchive.univpm.it/jspui/bitstream/123456789/1153/1/Tesi_Giuliani.pdf
1390. ✍-Muhammad Asraful Hasan (2014) Analysis of beat-to-beat QT interval variability in 12-lead ECG signals. PhD Thesis, University of Adelaide, Australia, 185 pages, https://digital.library.adelaide.edu.au/dspace/bitstream/2440/85192/4/02whole.pdf
1391. ✍-Giuliani C, Agostinelli A, Burattini L (2014) T-wave offset localization from 8 vs. 15 lead dominant T wave. Conf. of the European Study Group on Cardiovascular Oscillations, 25-28 May, Trento, Italy, pp. 95-96.
1392. ✍-Agostinelli A, Giuliani C, Burattini L (2014) Use of the dominant T wave to enhance reliability of T-wave offset identification. Journal of Electrocardiology, 47, (1), pp 98-105.
1393. ✍-Tafreshi R, Jaleel A, Lim J, Tafreshi L (2014) Automated analysis of ECG waveforms with atypical QRS complex morphologies. Biomedical Signal Processing and Control, 10, pp. 41-49.
1394. ✍-Adam Hanzelka (2013) Delineation of experimental ECG data. MS thesis, Brno University of Technology, 54 pages, https://dspace.vutbr.cz/xmlui/bitstream/handle/11012/26157/Adam_Hanzelka_DP.pdf
1395. ✍-Giuliani C, Agostinelli A, Burattini L (2013) Use of dominant T-wave to reduce T-wave offset location uncertainty. Computing in Cardiology, 40, pp. 771-774, ISSN: 2325-8861
1396. ✍-Palliyali AJ, Tafreshi R, Mohsin N, Tafreshi L (2012) A comprehensive algorithm for the analysis of ECG waveforms ASME Int. Mechanical Engineering Congress and Exposition, 9-15 November, Houston, US, 2, pp.. 477-481.
1397. ✍-João Evangelista Neto (2012) Desenvolvimento de métodos de processamento e inteligência computacional no ECG ambulatorial. PhD thesus, Universidade federal do Pará, 133 pages, http://repositorio.ufpa.br/jspui/bitstream/2011/3798/4/Tese_DesenvolvimentoMetodosProcessamento.pdf
1398. ✍-Pu Y, Gropper C, Lin D (2012) Locating fiducial points in a physiological signal. US Patent 8200319 B2
1399. ✍-Tafreshi R, Lim J, Abdul J, Tafreshi L (2012) Electrocardiogram QRS detection using temporal correlation for diagnosis of myocardial infarction. Biomedical Engineering / Telehealth / Assistive Technologies, 15 – 17 February, Innsbruck, Austria, pp. 143-148, ISBN: 978-0-8898-6909-7.
1400. ✍-Bharathi P, Manimegalai P (2012) Real time implementation of T wave analysis using discrete wavelets. Int. Conf. on Computing and Control Engineering, 12-13 April, Chennai, India, Published by Coimbatore Institute of Information Technology, 5 pages, ISBN 978-1-4675-2248-9.
1401. ✍-Manimegala P, Bharathi P, Thanushkodi K (2012) T wave extraction and analysis using discrete wavelets. Int. J. of Emerging trends in Engineering and Development, 2, (1), pp. 239-245, ISSN: 2249-6149
1402. ✍-Cabasson A, Meste O, Vesin J (2012) Estimation and modeling of QT-interval adaptation to heart rate changes. IEEE Transactions on Biomedical Engineering, 59, (4), pp. 956-965, ISSN: 0018-9294.
1403. ✍-Kelvin Cheung (2011) ECG morphological features recognition and its effect to classification. PhD Thesis, Department of Applied Computer Technology, East China Normal University, China, 129 pages, DOI:CNKI:CDMD:1.1012.272492, N124, http://www.cgl.org.cn/auto/db/detail.aspx?db=950002&rid=1577501&agfi=0&cls=0&uni=True&cid=0&showgp=True&prec=False&md=93&pd=6&msd=93&psd=6&mdd=93&pdd=6&count=10&reds=waveform%3Bfeatures
1404. ✍-Korzinov L, Kremliovsky M (2011) Monitoring physiological activity using partial state space reconstruction.US Patent 7996075, http://patents.com/us-7996075.html
1405. ✍-Zeraatkar E, Kermani S, Mehridehnavi A, Aminzadeh A, Zeraatkar E, Sanei H (2011) Arrhythmia detection based on morphological and time-frequency features of T-wave in electrocardiogram. J of Medical Signals and Sensors, 1, (2), pp. 1-12, ISSN: 2228-7477.
1406. ✍-Maiko Arichi (2011) Direct mathematical method for real-time ischemic detection from electrocardiograms using the discrete Hermite transform. PhD Thesis, Faculty of The University of Akron, 160 pages, http://etd.ohiolink.edu/send-pdf.cgi/Arichi%20Maiko.pdf?akron1313529081
1407. ✍-Neto JE, Seisdedos CV, Reyes EM, Klautau A, Oliveira RL (2011) New approach for T-wave end detection on electrocardiogram: Performance in noisy conditions. BioMedical Engineering OnLine, 10, 77, ISSN: 1475-925X.
1408. ✍- Suma Chandrika Bulusu (2010) Detection of ECG transient ST-segment episodes and machine learning based heart beat classification. PhD Thesis, University of Texas at Dallas
1409. ✍-Zhu K, Wang L, Shen M, Dong J (2010) An experience-based multi-lead decision model for electrocardiogram wave boundary detection. 3rd Int. Conf. on Biomedical Engineering and Informatics, 16-18 October, Yantai, China, art. No 5640078, 2, pp. 735-739.
1410. ✍-Shrivastavaa A, Sinha GR (2010) A novel approach of ECG diagnosis and prediction of critical diseases for cardiac patients. International Journal of Image Processing, 4, (5), pp. 1-5, online, http://www.cscjournals.org/csc/manuscript/Journals/IJIP/volume4/Issue5/IJIP-252.pdf
1411. ✍-Kremliovsky M, Korzinov L (2010) Automated analysis of a cardiac signal based on dynamical characteristics of the cardiac signal. Patent 7729753, http://www.patentstorm.us/patents/7729753/fulltext.html
1412. ✍-Yu Hui, Du Fei, Zhang Li-Xin (2010) Automatic QT interval detection based on morphological method. Space Medicine & Medical Engineering, 23, (1), pp.63-68, http://journal.shouxi.net/html/qikan/yykxzh/htyxyyxgc/20102231/xslz/20100315101540346_514826.html

1413. ✍-Augustyniak P, Tadeusiewicz R (2009) Interpretation of the ECG as a WEB-based subscriber Service, pp. 228-247. In: Ubiquitous cardiology: Emerging wireless telemedical applications, Eds: Augustyniak P, Tadeusiewicz R. © Medical Information Science, Hershey, New York, 492 pages
1414. ✍- Singh GK, Sharma A, Velusami S (2009) A research review on analysis and interpretation of arrhythmias using ECG signals. Int. J. of Medical Sciences and Technology, 2, (3), pp. 37-55
1415. ✍-Zarrini M, Sadr A (2009) A real-time algorithm to detect inverted and symmetrical T-wave. Second International Conference on Computer and Electrical Engineering, 28-30 December, Dubai, 1, pp. 318-322.
1416. ✍-Zarrini M, Sadr A (2009) Detecting T-wave using separated beats by adaptive threshold. Second International Conference on Computer and Electrical Engineering, 28-30 December, Dubai, 1, pp. 323-326.
1417. ✍-Arafat A, Hasan K (2009) Automatic detection of ECG wave boundaries using empirical mode decomposition. Int. Conf. Acoustics, Speech and Signal Processing, IEEE, ICASSP2009, pp. 461-464.
1418. ✍-Rincón FJ, Gutiérrez L, Jiménez M, Díaz V, Khaled N, Atienza D, Sánchez-Élez M, Recas J, De Micheli G (2009) Implementation of an automated ECG-based diagnosis algorithm for a wireless body sensor platform. 2nd Int. Conf. on Biomedical Electronics and Devices, Porto, Portugal, January 14-17, pp. 88-96.
1419. ✍-Tarun ManiT iwari (2008) A n efficient algorithm for ECG denoising and beat detection. MS thesis, The University of Texas at Dallas, 51 pages.
1420. ✍-Aline Cabasson (2008) Estimation et analysedes intervalles cardiaques. PhD Thesis, Sciences et Technologies de l'Information et de la Communication,Université de Nice, 190 pages, http://hal.archives-ouvertes.fr/docs/00/45/80/70/PDF/Cabasson_these_Dec_2008.pdf
1421. ✍-Laura Gutiérrez Muñoz (2008) Estudio de consumo en redes de sensores inalámbricos para la detección de ondas características en ECG. MS Thesis, Facultad de Informática, Complutense University of Madrid, Spain, 86 pages, http://redsensores.googlecode.com/svn-history/r270/trunk/Memoria/EstudioConsumo.doc
1422. ✍-Mónica Jiménez Antón (2008) Estudio y mejoras de memoria para un algoritmo basado en diagnostico de electrocardiogramas en redes de sensores inalámbricos. MS Thesis, Facultad de Informática Universidad Complutense de Madrid, 88 pages, http://redsensores.googlecode.com/svn-history/r266/trunk/Memoria/EstudioMemoria.doc.
1423. ✍-Yu Hui, Du Fei, Cao Yuzhen, Zhang Lixin, Cheng Yang (2008) A new algorithm of QT interval measurement based on multiscale morphological derivative transform. International Seminar on Future BioMedical Information Engineering, December 18, Wuhan, Hubei, China, pp. 469-472.
1424. ✍-Shuo Y, Desong B (2008) Automatic detection of T-wave end in ECG signals. 2nd Int. Symposium on Intelligent Information Technology Application, IITA 2008, 21-23 December, Shanghai, China, Vol. 3, pp. 283-287.
1425. ✍-Симова Я, Денчев С (2008) Дисперсия на QT-интервала – метод на изследване и значение. Списание Медицински Преглед, 44, (1), стр. 27-31.
1426. ✍-Exarchos TP, Tsipouras MG, Exarchos CP, Papaloukas C, Fotiadis DI, Michalis LK (2007) A methodology for the automated creation of fuzzy expert systems for ischaemic and arrhythmic beat classification based on a set of rules obtained by a decision tree. Artificial Intelligence in Medicine, 40, (3), pp. 187-200.
1427. ✍- Divya Gowdar (2006) Automatic detection of QT and related intervals. MS Thesis, Department of Biomedical Engineering, New Jersey Institute of Technology, USA, 115 pages, http://archives.njit.edu/vol01/etd/2000s/2006/njit-etd2006-055/njit-etd2006-055.pdf
1428. ✍-Nicholas Peter Hughes (2006) Probabilistic models for automated ECG interval analysis. PhD Thesis, Department of Engineering Science, University of Oxford Hilary Term,UK.
1429. ✍-Chen, PC, Lee S, Kuo CD (2006) Delineation of T-wave in ECG by wavelet transform using multiscale differential operator. IEEE Transactions on Biomedical Engineering, 53, (7), pp. 1429-1433.
1430. ✍-Ринат Равхатович Фатыхов (2005) Управление системой оказания медицинской помощи на железнодорожном транспорте с применением автоматизированных информационных систем в условиях социально-экономических реформ. PhD thesis, Moskow, Rusia, 257 pages, http://www.dissercat.com/content/upravlenie-sistemoi-okazaniya-meditsinskoi-pomoshchi-na-zheleznodorozhnom-transporte-s-prime
1431. ✍-Song Xi-guo, Deng Qin-kai (2005) Automatic detection of ST-T segment based on wavelet transformation, Chinese Journal of Medical Physics, 22,(4), pp. 601-603.
1432. ✍-Yan Sun, Kap Luk Chan, Shankar Muthu Krishnan (2005) Characteristic wave detection in ECG signal using morphological transformn BioMedical Central, Cardiovascular Disorders, 5, (28), pp. 1-12
1433. ✍-Bonnet C, Partington JR, Sorine M (2004) A modified matching pursuit algorithm applied to the approximation of vecto-cardiogram data, International Journal of Pure and Applied Mathematics, 15, pp. 25-35.
1434. ✍-Тодор В Стоянов (2004) Компютърна обработка и анализ на електрокардиограми. Дисертация за Доктор, БАН
1435. ✍-Martinez JP, Almeida R, Olmos S, Rocha AP, Laguna P (2004) A wavelet-based ECG delineator: Evaluation on standard databases. IEEE Transactions on Biomedical Engineering, 51, (4), pp. 570-581.
1436. ✍-Bonnet C, Partington JR, Sorine M (2004) A modified matching pursuit algorithm applied to the approximation of vecto-cardiogram data, Institut National de Recherche en Informatique et en Automatique, Rapport de Recherche, No 94A12, 92C50, http://www.maths.leeds.ac.uk/pure/staff/partington/ijpam3.pdf.

1437. *Gao Hong, Lu Yangsheng, Wan Baikun, Cao Yuzhen (2002) DSP based ECG signal transform using wavelet. Beijing Biomedical Engineering, 21, (2), pp 20-23, http://222.87.106.4:90/~kjqk/bjswyxgc/bjsw2002/0202pdf/020208.pdf*
1438. *杨海威, 詹永麒, 胡伟国, 夏恒超, 闫润强, 张永红 (2002) Algorithm of P Wave Detection in 12-Lead ECG Signals. Beijing Biomedical Engineering, 21 (2) pp.102-105.*
1439. *Dotsinsky I (2002) Morphological analysis of biomedical signals using contemporary electronic and computer-aided devices: An overview, ed. Technical University – Sofia, Eleventh International Conference Electronics 2002, Sozopol, 25-27 September, book 1, pp. 12-24.*
1440. *Barro S, Presedo J, Felix P, Castro D, Vila JA (2002) New trends in patient monitoring. Disease Management & Health Outcomes, 10, (5), pp. 291-306.*
1441. *Vila JA, Gang Y, Presedo JMR, Delgano MF, Barro S, Malik M (2000) A new approach for TU complex characterization. IEEE Transactions on Biomedical Engineering, 47, (6), pp. 764-772.*
1442. *Ireland RH, Robinson RTCE, Hellert SR, Marqucs JLB, Harris ND (2000) Measurement of high resolution ECG QT interval during controlled euglycaemia and hypoglycaemia. Physiological Measurement, 21, pp. 295-303*

Christov II, Dotsinsky IA, Daskalov IK (1992) High-pass filtering of ECG signals using QRS elimination. *Med. & Biol. Eng. & Comp.*, 30, pp. 253-256.

1443. *Cuomo S, De Pietro G, Farina R, Galletti A, Sannino G (2016) A revised scheme for real time ECG signal denoising based on recursive filtering. Biomedical Signal Processing and Control, 27, pp. 134-144.*
1444. *Kumar LA, Vigneswaran C (2015) Electronix in textiles and clothing: Design, products and applications. Book, CRC Press, Taylor and Francis Group, 415 pages*
1445. *Choudhari PC, Panse MS (2015) Denoising of radial bioimpedance signals using adaptive wavelet packet transform and Kalman filter. J. of VLSI and Signal Processing 5, (1), pp. 1-8*
1446. *Choudhari PC, Panse MS (2014) Artifact removal from the radial bioimpedance signal using adaptive wavelet packet transform. Int. J. of Computational Engineering Research, 4, (7), pp. 95-101, ISSN(e) 2250–3005*
1447. *Elgendi M, Eskofier B, Dokos S, Abbott D (2014) Revisiting QRS detection methodologies for portable, wearable, battery-operated, and wireless ECG systems.PLoS ONE, 9, (1), 18 pages.*
1448. *Verma R, Mehrotra R, Bhateja V (2013) A new morphological filtering algorithm for pre-processing of electrocardiographic signals. Lecture Notes in Electrical Engineering, 221, pp. 193-201, ISSN: 1876-1100*
1449. *Elgendi M (2013) On QRS detection methodologies: a revisit for mobile phone applications, wireless ECG monitoring and large ECG databases analysis, Digital Signal Processing, 26 pages, http://vixra.org/pdf/1301.0058v1.pdf*
1450. *Михов Георги (2013) Изследване и усъвършенстване на субтракционния метод за отстраняване на смущения от електрокардиографски сигнали. Дисертация за "Доктор на науките", Техн. Унив. – София, 270 стр.*
1451. *Verma R, Mehrotra R, Bhateja V (2013) An integration of improved median and morphological filtering techniques for electrocardiogram signal processing. Advance Computing Conference, 22-23 February, Ghaziabad, India, pp. 1223-1228.*
1452. *Verma R, Mehrotra R, Bhateja V (2013) An improved algorithm for noise suppression and baseline correction of ECG signals Advances in Intelligent Systems and Computing, 199, pp. 733-739, ISSN: 2194-5357*
1453. *Neophytos Neophytou (2012) ECG event detection & recognition using time-frequency analysis. MS Thesis, European Postgraduate Programme on Biomedical Engineering, Faculty of Electrical & Computer Engineering, University of Cyprus, 72 pages, http://nemertes.lis.upatras.gr/jspui/handle/10889/6151*
1454. *Neophytou N, Kyriakides A, Pitris C (2012) ECG analysis in the Time-Frequency domain. IEEE 12th Int. Conf. on Bioinformatics & Bioengineering, 11-13 November, Larnaca, Cyprus, pp. 80-84, ISBN: 978-1-4673-4357-2*
1455. *Yu-Hong Shen, Jie-Wen Zheng, Zheng-Bo Zhang, Chen-Ming Li (2012) Design and implementation of a wearable multi-parameter physiological monitoring system for the study of human heat stress, cold stress and thermal comfort. Instrumentation Science & Technology, 40, (4), pp. 290-304, ISSN: 1073-9149*
1456. *Nasiri M, Faez K (2012) Extracting fetal electrocardiogram signal using ANFIS trained by genetic algorithm. Int. Conf. on Biomedical Engineering, 27-28 February, Penang, Malaysia, pp. 197-202, ISBN: 978-1-4577-1990-5.*
1457. *Domen Novak (2011) Adaptive integration of psychophysiological variables for robotic training. PhD Thesis, Faculty of Electrical Engineering, University of Ljubljana, 204 pages, http://robo.fe.uni-lj.si/pdf_avi/Novak_phd_final.pdf*
1458. *Nasiri M, Faez K, Nasrabadi AM (2011) A new method for extraction of fetal electrocardiogram signal based on Adaptive Nero-Fuzzy Inference System. IEEE Int. Conf. on Signal and Image Processing Applications, 16-18 November, Kuala Lumpur, pp. 456-461, ISBN: 978-1-4577-0243-3*
1459. *Keen AA, Sikander G, Shayeq N, Shah RI (2010) Wearable medical monitoring and alert systemfor congestive heart failure patients. Project report, Faculty of Electronic Engineering, Ghulam Ishaq Khan Institute of Engineering Sciences and Technology, Pakistan, 76 pages, http://www.scribd.com/doc/55635161/FYP-Report*
1460. *Yalçın İşler (2009) A detailed analysis of the effects of various combinations of heart rate variability indices in congestive heart failure. PhD thesis, Dokuz Eylül University, Izmir, 166 pages, http://www.islerya.com/files/biomedical/yalcin_isler_tez.pdf*

1461. -Aya Matsuyama (2009) ECG and APG signal analysis during exercise in a hot environment. PhD Thesis, School of Engineering and Information Technology, Charles Darwin University, Australia, 297 pages, http://espace.cdu.edu.au/eserv/cdu:9044/Thesis_CDU_9044_Matsuyama_A.pdf
1462. -Suranai Poungponsri (2009) An approach based on wavelet decomposition and neural network for ECG noise reduction. Thesis, Faculty of California Polytechnic State University, 189 pages, http://digitalcommons.calpoly.edu/cgi/viewcontent.cgi?article=1104&context=theses
1463. -Brown LF, Arunachalam SP (2009) Real-time T-P knot algorithm for baseline wander noise removal from the electrocardiogram. Biomedical Sciences Instrumentation, 45, pp. 65-70.
1464. -Nils König (2008) Systeme und Methoden zur Erfassung der persönlichen Fitness. MS Thesis, Universität Karlsruhe, 126 pages, http://csl.ira.uka.de/fileadmin/media/publication_files/DA_Koenig_SystemeMethodenPersFitness.pdf
1465. -Iliev IT, Tabakov S, Krasteva V (2008) Combined high-pass and power-line interference rejecter filter for ECG signal processing. Proceedings of the Technical University – Sofia, vol.58, book 2, pp.7-13.
1466. -Lee SM, Kim KK, Parka KS (2008) Wavelet approach to artifact noise removal from capacitive coupled electrocardiograph. 30th Ann. Conf. of the IEEE Engineering in Medicine and Biology Society, 20-24 August, Vancouver, Canada, vol. 1-8, pp. 2944-2947.
1467. -Tabakov S, Iliev I, Krasteva V (2008) Online digital filter and QRS detector applicable in low resource ECG monitoring systems. Annals of Biomedical Engineering, 36, (11), pp. 1805-1815.
1468. -Iliev IT, Tabakov SD, Krasteva VT (2008) Combined high-pass and power-line interference rejecter filter for ECG signal processing. Seventeenth International Scientific and Applied Science Conference Electronics 2008, Sozopol, 20-22 September, book 1, pp 49-54.
1469. -Zheng JW, Wu TH, Fan Y, Zhang ZB, Zhang Y (2007) Handheld devices make real-time telemedicine possible and affordable, IEEE/ICME Int. Conf. on Complex Med. Eng., 23-27 May, Beijing, China, pp. 265-269.
1470. -Zheng JW, Zhang ZB, Wu TH, Zhang Y (2007) A wearable mobihealth care system supporting real-time diagnosis and alarm. Medical & Biological Engineering & Computing, 45, (9), pp. 877-885.
1471. -Krishnan SM, Kwoh CK, Sun Y, Chan KL (2007) ECG signal conditioning by morphological filters. Chapter 13, pp. 311-326 In: Advances in Cardiac Signal Processing, Eds: Acharya UR, Suri J, Spaan JAE, Krishnan SM, © Springer Berlin Heidelberg, 468 pages
1472. -Mozaffary B, Tinati MA (2007) ECG baseline wander elimination using wavelet packets. Proceedings of World Academy of Science, Engineering and Technology, 3, pp.550-552, http://www.waset.org/journals/waset/v3/v3-91.pdf
1473. -Abačherli R, Hornaff S, Leber R, Schmid H-J, Felblinger, J (2006) Improving automatic analysis of the electrocardiogram acquired during magnetic resonance imaging using magnetic field gradient artefact suppression. Journal of Electrocardiology, 39, (4), pp. s134-s139.
1474. -Tinati MA, Mozaffary B, (2006) A wavelet packets approach to electrocardiograph baseline drift cancellation. International Journal of Biomedical Imaging, vol. 2006, pp. 1-9.
1475. -McNames J, Aboy M (2006) Reliability and accuracy of heart rate variability metrics versus ECG segment duration. Medical & Biological Engineering & Computing, 44, (9), pp. 747-756.
1476. -Gotchev, A (2006) Spline-based techniques for signal and image interpolation and decimation, Lectures, Tampere University of Technology, Tampere, Finland, http://www.cs.tut.fi/~agotchev/DIPII/lecture3.pdf.
1477. -Laszlo Hejjel (2005) Technical pitfalls of heart rate variability analysis. PhD thesis, Department of Experimental Surgery, Heart Institute, Medical Faculty, University of Pecs, 91 pages, http://aok.pte.hu/docs/phd/file/dolgozatok/2005/Hejjel_Laszlo_PhD.pdf
1478. -Jekova I, Krasteva V (2005) Subtraction of 16.67 Hz railroad interference from the electrocardiogram: application for automatic external defibrillators. Physiological measurement, 26, pp. 987-1003
1479. -Jin T, Ji Z, Qin SR (2004) Constraining noise in ECG signals. 3rd International Symposium on Instrumentation Science and Technology, 18-22 August, Xian, China, 3, pp. 642-647.
1480. -Mozaffary B, Tinati MA (2004) ECG baseline wander elimination using wavelet packets, Enformatika, 1,(4), pp. 901-903.
1481. -Gotchev, A (2003) Spline and wavelet based techniques for signal and image processing, Doctor of Technology Thesis, Tampere University of Technology, Tampere, Finland, pub. No 429, 191 pages.
1482. -Jekova I, Stoyanov T (2003) Measurement of electrocardiogram parameters. Implementation in classification systems, ed. Technical University – Sofia, Twelfth International Conference Electronics 2003, Sozopol, 24-26 Septemberr, book 1, pp. 31-36
1483. -Köhler BU, Henning C, Orglmeister R (2002) The principles of software QRS detection. IEEE Engineering in Medicine and Biology, 21, (2), pp. 42-57.
1484. -Sun Y, Chan KL, Krishnan SM (2002) ECG signal conditioning by morphological filtering. Computers in Biology and Medicine, 32, (6), pp. 465-479.
1485. -Sahambi JS, Tandon SN, Bhatt RKP (1997) Quantitative analysis of errors due to power-line interference and base-line drift in detection of onsets and offsets in ECG using wavelets. Medical & Biological Engineering & Computing, 35, pp. 747-751.

1486. ✍-Benabderrahman Y (1997) Méthodes de traitement de signaux multidimensionnels appliquées a l'extraction de micro-potentiels electrocardiologiques. Dissertation Ph.D., Université Joseph Fourier, Grenoble.
1487. ✍-Pandit SV (1996) ECG baseline drift removal through STFT. 18th Annual International Conference, "Bridging Disciplines for Biomedicine", 31 Oct. - 3 Nov., Amsterdam, Netherlands, IEEE Engineering in Medicine and Biology, pp. 711-712.
1488. ✍-Laguna P, Jane R, Olmos S, Thakor N, Rix H, Caminal P (1996) Adaptive estimation of the QRS complex wave features of ECG signal by the Hermite model. Medical & Biological Engineering & Computing, 34, pp.58-68.
1489. ✍-Laguna P, Jane R, Olmos S, Thakor N, Rix H, Caminal P (1995) Adaptive estimation of the QRS complex wave features of ECG signal by the Hermite model. Project Report, Departamento de Ingeniera Electra e Informatica, pp. 1-34.
1490. ✍-Митев П (1993) Регистриране на евокирани ЕМГ сигнали посредством постояннотоков усилвател. Автоматика и информатика, 11-12, стр. 30-33.

Bortolan G, Jekova I, Christov I (2005) Comparison of four methods for premature ventricular contractions and normal beats clustering. IEEE Computers in Cardiology, 32, pp. 921-924.

1491. ✍-Yasin Kaya, Hüseyin Pehlivan (2015) Classification of premature ventricular contraction in ECG. Int. J. of Advanced Computer Science and Applications, 6, (7), pp. 34-40.
1492. ✍-Liliana Vanessa Correia Pereira (2015) Análise de ECG no contexto de telemonitorização em insuficiência cardíaca. MS thesis, Universidade de Coimbra, Spain, 117 pages,
1493. ✍-Nabil D, Reguig FB (2015) Ectopic beats detection and correction methods: A review. Biomedical Signal Processing and Control, 18, pp. 228–244, ISSN: 1746-8094
1494. ✍-Chandra BS, Sastry CS, Jana S (2014) Reliable low-cost telecardiology: High-sensitivity detection of ventricular beats using dictionaries. IEEE Int. Conf. on e-Health Networking, Applications and Services, 15-18 October, Natal, Brazil, pp. 305-310
1495. ✍-Gupta A, Thomas B, Kumar P, Kumar S, Kumar Y (2014) Neural network based indicative ECG classification. Int. Conf. on Confluence: The Next Generation Information Technology Summit, pp. 277-279, 25-26 Sept., Uttaar PradeshNoida; India.
1496. ✍-Ashutosh G, Betsy T, Pradeep K, Saket K, Yogesh K (2014) Neural Network based indicative ECG classification. Int. Conf. Next Generation Information Technology Summit, 25-26 Sept., Noida, India, pp. 277-279, ISBN: 978-1-4799-4237-4
1497. ✍-Dohnálek P, Gajdoš P, Peterek T, Zaorálek L (2014) Orthogonal matching pursuit based classifier for premature ventricular contraction detection. Joint Conf. SOCO-CISIS-ICEUTE, 11-13 September, Salamanca, Spain, In Springer Int. Publishing, Eds: Herrero A et al., pp. 201-210
1498. ✍-Dina Kičmerová (2013) Methods for detection and classification in ECG analysis. PhD thesis, Brno University of Technology, 129 pages, https://dspace.vutbr.cz/xmlui/bitstream/handle/11012/25776/disertace_Kicmerova.pdf
1499. ✍-Christian Rockstroh (2013) Novel algorithms and rating methods for high-performance ECG classification. Dr of Sci thesis, Friedrich Alexander Universität, Erlangen Nürnberg, 232 pages, http://opus4.kobv.de/opus4-fau/files/4031/ChristianRockstrohDissertation.pdf
1500. Augustyniak P, Czopek K (2013) Wykorzystanie sieci neuronowych do przetwarzania sygnałów bioelektrycznych na przykładzie EKG. Chapter 4, pp. 101-146. In: Neural Networks in Biomedical Engineering, Vol. 9, eds: Tadeusiewicz R, Korbicz J, Rutkowski L, Duch W
1501. ✍- Baali H, Akmeliawati R, Salami MJE (2013) Regularized least squares applied to heartbeat classification using transform-based and RR intervals features. Int. Conf. on Bioinformatics Models, Methods and Algorithms, 11-14 February, Barcelona, Spain, pp. 164-170.
1502. ✍- Bashir MEA, Shon HS, Lee DG, Kim H, Ryu KH (2013) Real-time automated cardiac health monitoring by combination of active learning and adaptive feature selection. KSII Transactions on Internet and Information Systems 7, (1), pp. 99-118, ISSN: 1976-7277
1503. ✍-Bashir MEA, Ryu KS, Yun U, Ryu KH (2012) Pro-detection of atrial fibrillation using mixture of experts. IEICE Transactions on Information and Systems, vol E95-D, (12), pp 2982-2990, ISSN: 1916-8532
1504. ✍-Jadhav SM, Nalbalwar SL, Ghatol AA (2012) Performance evaluation of generalized feedforward neural network based ECG arrhythmia classifier. Int. J. of Computer Science, 9, (4), pp. 379-384, ISSN: 1694-0814.
1505. ✍-Bashir M, Dong Gyu Lee, Li M, Ho Sun Shon, Kwang Sun Ryu (2012) Trigger learning and ECG parameter customization for remote cardiac clinical care information system. IEEE Transactions on Information Technology in Biomedicine, 16, (4), pp. 561-571, ISSN: 1089-7771
1506. ✍-Shakibfar S, Graff C, Ehlers LH, Toft E, Kanters JK, Struijk JJ (2012) Assessing common classification methods for the identification of abnormal repolarization using indicators of T-wave morphology and QT interval. Computers in Biology and Medicine, 42, (4), pp. 485-491, ISSN: 0010-4825.
1507. ✍-Mittal A., Mittal S, Kalra P (2011) Recognition of ECG arrhythmias using back propagation neural network. Int. J. of Advanced Research in Computer Science, 2, (3), pp. 391-393.
1508. ✍-Vishwa A, Lal MK, Dixit S, Vardwaj P (2011) Clasification of arrhythmic ECG data using machine learning techniques. Int. J. of Artificial Intelligence and Interactive Multimedia, 1, (4), pp. 67-70, ISBN: 84-7829-061-3

1509. *-Jadhav SM, Nalbalwar SL, Ghatol AA (2011) Artificial neural network based cardiac arrhythmia disease diagnosis. Int. Conf. on Process Automation, Control and Computing, Coimbatore; 20-22 July, Article number 5979000, ISSN: 978-1-61284-765-8.*
1510. *-Shen Z, Hu C, Li P, Meng MQ-H (2011) Research on premature ventricular contraction real-time detection based support vector machine. IEEE Int. Conf. on Information and Automation, ICIA 6-8 June, Shenzhen, China, DOI: 10.1109/ICINFA.2011.5949116, pp. 864-869, ISSN: 978-1-4577-0268-6.*
1511. *-Mohamed Ezzeldin A. Bashir, Kwang Sun Ryu, Soo Ho Park, Dong Gyu Lee, Jang-Whan Bae, Ho Sun Shon, Keun Ho Ryu (2011) Superiority real-time cardiac arrhythmias detection using trigger learning method, Information Technology in Bio- and Medical Informatics, vol. 6959, pp. 53-65, In: Lecture Notes in Computer Science, ISSN: 0302-9743*
1512. *-Signes MT, Mora H, García JM (2011) A computational framework based on behavioural modelling: Application to the matching of electrocardiogram (ECG) recordings. Mathematical and Computer Modelling, 54 (7-8), pp. 1644-1649, ISSN: 0895-7177.*
1513. *-Jadhav SM, Nalbalwar SL, Ghatol AA (2010) Generalized Feedforward Neural Network based cardiac arrhythmia classification from ECG signal data. 6th IEEE Int. Conf. on Advanced Information Management and Service, 30 November – 2 December, Seoul, South Korea, ISBN: 978-1-4244-8599-4, pp. 351-356.*
1514. *-Jadhav SM, Nalbalwar SL, Ghatol AA (2010) Arrhythmia disease classification using Artificial Neural Network model. IEEE Int. Conf. on Computational Intelligence and Computing Research, 28-29 December Coimbatore, India, , pp. 653-656, ISBN: 978-142445967-4.*
1515. *-Signes MT, Mora H, García JM (2010) Computational framework based on behavioural modelling: Application to the matching of ECG recordings, pp. 203-208, In: Modelling for addictive behavior, medicine and engineering, Ed: Jódar L, Instituto de Matemática Multidisciplinar, Universidad Politecnica de Valencia, 209 pages*
1516. *-Jadhav SM, Nalbalwar SL, Ghatol A (2010) Artificial Neural Network based cardiac arrhythmia classification using ECG signal data. Int. Conf. on Electronics and Information Engineering (ICEIE), 1-3 August, Kyoto, Japan, V1, pp. 228-231.*
1517. *-Mohamed Ezzeldin A. Bashir, Dong Gyu Lee, Makki Akasha, Gyeong Min Yi, Eun-jong Cha, Jang-whan Bae, Myeong Chan Cho, Keun Ho Ryu. (2010) Highlighting the current issues with pride suggestions for improving the performance of real time cardiac health monitoring. In: Lecture Notes in Computer Science, Eds: Khuri S, Lhotská L, Pisanti N, © Springer-Verlag, vol 6266, pp. 226-233*
1518. *-Mohammed Izzeldin A. Rhman, Makki Akasha, Dong Gyu Lee, Gyeong Min Yi, Keun Ho Ryu, Eun-jong Cha, Jang-whan Bae, Myeong Chan Cho, Chae Woo Yoo (2010) Nested ensemble technique for excellence real time cardiac health monitoring. World congress in Computer Science, Computer Engineering and Applied Computing, BIOCOMP'10, 12-15 July, Las Vegas, Nevada, USA*, 6 pages, http://webcache.googleusercontent.com/search?q=cache:eMvGTXvhIvEJ:ftp://amd64gcc.dyndns.org
1519. *-Arif M, Akram MU, Minhas FAA (2010) Pruned fuzzy K-nearest neighbor classifier for beat classification. J of Biomedical Science and Engineering, 3, pp. 380-389.*
1520. *-Sayadi O, Shamsollahi MB, Clifford GD (2010) Robust detection of premature ventricular contractions using a wave-based Bayesian framework. IEEE Transactions on Biomedical Engineering, 57, (2), pp. 353-362.*
1521. *-Dina Kicmerova (2009) Methods for detection and classification in ECG analysis. PhD Thesis, Faculty of Electrical Engineering and Communication, Department of Biomedical Engineering, Brno University of Technology, 130 pages, http://www.vutbr.cz/www_base/zav_prace_soubor_verejne.php?file_id=18986*
1522. *-Chudáček V Lhotská L, Georgoulas G, Stylios C (2009) Is it possible to distinguish different types of ECG-holter beats based solely on features obtained from windowed QRS complex? World Congress on Med. Phys. and Biomed. Eng., 7 – 12 September, Munich, Germany, book serees: IFMBE Proceedings, © Springer Berlin Heidelberg, 25, (4), pp. 918-921.*
1523. *- Arif M, Akram MU, Asfar FA (2009) Arrhythmia beat classification using pruned fuzzy K-nearest neighbor classifier. Int. Conf. of Soft Computing and Pattern Recognition, 4-7 December, Malacca, Malaysia, pp. 37-42.*
1524. *-Chudacek V, Georgoulas G, Huptych M, Stylios C, Lhotska L (2009) Discriminating between V and N beats from ECGs introducing an integrated reduced representation along with a neural network classifier. 19th Int. Conf. on Artificial Neural Networks, In: Lecture Notes in Computer Science, © Springer Berlin /Heildelberg, pp 485-494.*
1525. *-Chudáček V, Georgoulas G, Lhotská L, Stylios C, Petrík M, Čepek M (2009) Examining cross-database global training to evaluate five different methods for ventricular beat classification. Physiological Measurement, 30, pp. 661-677.*
1526. *-Li Sheng-ian, Xu Yi-xin (2008) Development of methods for automatic heatbeat classification. Shanghai Journal of Biomedical Engineering, 29, (3), http://d.wanfangdata.com.cn/Periodical_shswyxgc200803011.aspx*
1527. *-Afsar FA, Akram MU, Arif M, Khurshid J (2008) A pruned fuzzy k-nearest neighbor classifier with application to electrocardiogram based cardiac arrhytmia recognition. 12th IEEE International Multitopic Conference 'INMIC 2008', Karachi, Pakistan, 23-24 December, pp. 143-148.*
1528. *-Raut RD, Dudul SV (2008) Arrhythmias classification with MLP neural network and statistical analysis. 1st Int. Con. on Emerging Trends in Engineering and Technology, ICETET'08, Nagpur, India, 16-18 July, pp. 553-558*

1529. *Čepek M, Ŝnorek M, Chudáček V (2008) ECG signal classification using GAME neural network and its comparison to other classifiers. Lecture Notes in Computer Science, part 1, pp. 768-777.*
1530. *Afsar FA, Arif M (2008) Robust electrocardiogram (ECG) beat classification using discrete wavelet transform. Physiological Measurement 29, (5), pp. 555-570.*
1531. *Shyu L-Y, Hu W (2008) Intelligent hybrid methods for ECG classification - A review. J. of Med. & Biol. Eng., 28, (1), pp. 1-10.*
1532. *Čepek M., Chudáček V, Petrík M, Georgoulas G, Stylios C, Lhotská L (2007) Comparison of inductive modeling method to other classification methods for Holter ECG. 2nd International Workshop on Inductive Modelling, Prague, September 23-26, pp.229-241, http://www.gmdh.net/articles/iwim/IWIM_33.pdf.*
1533. *Darrington J, Hool L (2007) EKG beat analysis: Minimising redundancy between detection and classification. 5th IASTED Conference on Biomedical Engineering, Innsbruck, Austria, 14-16 February, pp. 148-153*
1534. *Lam Si Man, Wan Feng, Dong Mingchui (2006) Automatic detection of premature ventricular contraction using adaptive neuro-fuzzy inference system, 4th regional interuniversity postgraduate electrical and electronics engineering conference (RIUPEEEC 2006), 13-14 July, Macau, pp. 1-5, http://umir.umac.mo/jspui/bitstream/123456789/13299/1/2019_0_f113.pdf*
1535. *He L, Hou W, Zhen X, Peng C. (2006) Recognition of ECG patterns using artificial neural network. Proceedings - ISDA 2006: Sixth International Conference on Intelligent Systems Design and Applications, 2, pp. 477-481.*
1536. *Chudáček V, Georgoulas G, Stylios C, Staviař M, Hanuliak M, Lhotská L (2006) Comparison of methods for premature ventricular beat detection. Information Technology Applications in Biomedicine, ITAB 2006, 26-28 October, Ioannina, Greece, pp. 1-4. http://medlab.cs.uoi.gr/itab2006/proceedings/ECG%20&%20Bioimpedance/130.pdf*
1537. *Людмила Тодорова (2006) Система за анализ на състоянието на пациенти при отвикване от продължителна механична вентилация, Дисертация за Доктор, ЦЛБМИ, БАН.*

Christov II (2000) Dynamic powerline interference subtraction from biosignals, Jour. of Med. Eng. & Tech., 24, 4, pp. 169-172.

1538. *Валентин Цибулко (2016) Праектиране изследване и анализ на методи и устроиства за телеметрично мониториране на пациенти с пейсмейкър. Дисертация за "Доктор", Техн. Унив. – София, 127 стр.*
1539. *Стоян Танев (2015) Продължително наблюдение на важни параметри на сърдечно-съдовата система в екстремни условия. Дисертация за "Доктор". Институт за космически изследвания и технологии –БАН, http://www.space.bas.bg/BG/Procedura%20Tanev/Avtoreferat_Stoyan%20Tanev.pdf*
1540. *Nicolas Ribas Mercau (2014) Characterization and handling of disturbances within electrocardiographic recordings of different origin. MS thesis, Institute of Biomedical Engineering, Technische Universität Dresden, 192 pages, http://upcommons.upc.edu/pfc/bitstream/2099.1/21684/4/Final_Project_Nicolas_Ribas_Mercau.pdf*
1541. *Mihov J (2013) Complex filters for the subtraction procedure for power–line interference removal from ECG. Int. J. of Reasoning-based Intelligent Systems, 5, pp. 146-153.*
1542. *Михов Георги (2013) Изследване и усъвършенстване на субтракционния метод за отстраняване на смущения от електрокардиографски сигнали. Дисертация за "Доктор на науките", Техн. Унив. – София, 270 стр.*
1543. *Илиев И, (2012) Анализ и обработка на електрокардиографски сигнал. Глава 3, В учебник: Илиев И, Табаков С, Дойчев Д, Анализ и обработка на биомедицински сигнали. Издателство на ТУ-София, ISBN: 978-619-167-012-3.*
1544. *Mihov GS (2012) Subtraction method for powerline removal from ECG in case of amplitude deviation. Annual Journal of Electronics, 6, (1), pp. 4-7, ISSN: 1314-0078.*
1545. *Иво Илиев (2012) Методи, устройства и системи за телеметрично мониториране на виокорискови пациенти със сърдечносъдови заболявания. Дисертация за "Доктор на науките", Техн. Унив. – София, 199 стр.*
1546. *Mihov G (2011) Subtraction procedure for removing powerline interference from ECG: Dynamic threshold linearity criterion for interference suppression. 4th International Conference on Biomedical Engineering and Informatics, BMEI 2011; Shanghai; 15-17 October, DOI: 10.1109/BMEI.2011.6098460, ISBN: 978-142449352-4*
1547. *Kansal M (2011) Implementation of IIR filter for removal of power supply noise from ECG. Int. J. of Mathematical Archive, 2, (10), pp. 1833-1840, ISSN: 2229-5046.*
1548. *Kansal M, Singh SH, Arora D (2011)Designing & FPGA Implementation of IIR filter used for detecting clinical information from ECG. Int. J. of Engineering and Advanced Technology, 1, (1), pp. 67-72, ISSN: 2249-8958.*
1549. *Kansal M, Kumar V, Arora D, Saini HS (2011) Designing & implementation of digital filter for removal of power supply noise. International Journal of Soft Computing and Engineering, 1, (4), pp. 241-246, ISSN: 2231-2307.*
1550. *Trigano T, Isserles U, Ritov Y (2011) Semiparametric curve alignment and shift density estimation for biological data. IEEE Transactions on Signal Processing, 59, (4), pp. 1970-1984, ISSN:1053-587X.*
1551. *Seddighi AS, Golzan SM, Seddighi A, Zali AR, Afaghi V (2011) Developing a bedside software for digitizing paper based medical data in intensive care settings. Global Journal of Health Science, 3, (1), pp. 9-18, ISSN: 1916-9736.*

1552. *-Dotsinsky I, Mihov J (2010) Subtraction procedure for removing the baseline drift from ECG signals. Annual Journal of Electronics, 4, (2), book 2, pp. 118-122.*
1553. *-Dotsinsky I, Mihov J (2010) Simple approach for tremor suppression in electrocardiograms. Bioautomation, 14, (2), pp. 129-138.*
1554. *-Dotsinsky IA, Mihov GS (2008) Tremor suppression in ECG, Biomedical Engineering Online, 7, 29, doi:10.1186/1475-925X-7-29*
1555. *-Dotsinsky IA, Mihov GS (2007) Tremor suppression in the electrocardiogram. Ed. Technical University – Sofia, Sixteenth International Conference Electronics 2007, Sozopol, 19–21 September, book 2, pp. 19-26.*
1556. *-Hettrick DA, Zielinski TM (2006) Bioimpedance in Cardiovascular Medicine, pp. 197-216, In: Encyclopedia of Medical Devices and Instrumentation, Ed: Webster J, © Wiley and Sons Inc.,655 pages*
1557. *-Михов Г. (2006) Електронни устройства, системи и методи за обектно-ориентирана обработка на сигнали за потискане на смущения и идентифициране на полезни компоненти. Хабилитационен труд за научно звание професор, Технически университет - София, Специализиран Съвет по Електронна и Компютърна Техника.*
1558. *-Abačherli R, Hornaff S, Leber R, Schmid H-J, Felblinger, J (2006) Improving automatic analysis of the electrocardiogram acquired during magnetic resonance imaging using magnetic field gradient artefact suppression. Journal of Electrocardiology, 39, (4), pp. s134-s139.*
1559. *-Mihov G, Ivanov, R, Levkov Ch (2006) Subtraction method for removing powerline interference from ECG in case of frequency deviation. Fifteenth International Scientific and Applied Science Conference Electronics 2006, Sozopol, 20-22 September, book 3, pp. 104-109.*
1560. *-Mihov G (2006) Investigation of the linearity criterion in the subtraction method for removing powerline interference from ECG. Fifteenth International Scientific and Applied Science Conference Electronics 2006, Sozopol, 20-22 September, book 3, pp. 110-116.*
1561. *-Gotchev, A (2006) Spline-based techniques for signal and image interpolation and decimation, Lectures, Tampere University of Technology, Tampere, Finland, http://www.cs.tut.fi/~agotchev/DIPII/lecture3.pdf.*
1562. *-Laszlo Hejjel (2005) Technical pitfalls of heart rate variability analysis. PhD thesis, Department of Experimental Surgery, Heart Institute, Medical Faculty, University of Pecs, 91 pages, http://aok.pte.hu/docs/phd/file/dolgozatok/2005/Hejjel_Laszlo_PhD.pdf*
1563. *-Pawan M, Gaikwad K (2005) Development of a portable ECG and pulse oximeter. Synopsis Report, Department of Electronics, Shivaji University, Kolhapur, India, pp. 1-11, http://www.rkkamat.in/pawan.pdf*
1564. *-Jonas Carlson (2005) Exploration of supraventricular conduction with respect to atrial fibrillation. Methodological aspects on selected techniques. Doctoral Dissertation, Faculty of Medicine, Lund University, Sweden, http://luur.lub.lu.se/luur?func=downloadFile&fileOId=545701*
1565. *-Chavan MS, Agarwala RA, Uplane MD (2005) Application of Chebyshev type II Digital filter for noise reduction in ECG signal. WSEAS Trans. on Circuits and Systems, 4, (10), pp. 1260-1267.*
1566. *-Hejjel L, Kellenyi L (2005) The corner frequencies of the ECG amplifier for heart rate variability analysis, Physiological Measurement, 26, pp. 39-47.*
1567. *-Dotsinsky I, Stoyanov T (2005) Power-line Interference cancellation in ECG signals, Biomedical Instrumentation & Technology, 39, pp. 155-162.*
1568. *-Mitov I (2004) A method for reduction of power line interference in the ECG, Medical Engineering and Physics, 26, (10), pp. 879-887.*
1569. *-Тодор В Стоянов (2004) Компютърна обработка и анализ на електрокардиограми. Дисертация за Доктор, БАН.*
1570. *-Hejjel L, Roth E (2004) What is the adequate sampling interval of the ECG signal for heart rate variability analysis in the time domain?, Physiological Measurement, 25, (6), pp. 1405-1411.*
1571. *-Митов И (2004) Метод за намаляване на мрежовите смущения в ЕКГ. Електротехника и Електроника, 5-6, pp. 39-47.*
1572. *-Цвета С Георгиева (2004) Цифрови методи за отстраняване на смущения от електрокардиографски сигнали (Субтракционен метод за отстраняване на смущения от електрокардиографски сигнали). Дисертация за доктор, Технически университет, София.*
1573. *-Gotchev, A (2003) Spline and wavelet based techniques for signal and image processing, Doctor of Technology Thesis, Tampere University of Technology, Tampere, Finland, pub. No 429, 191 pages.*
1574. *-Dotsinsky I, Stoyanov T (2002) Gancellation of the power-line interference: Effects of its amplitude and frequency variation on the residual contamination of the ECG signal. ed. Technical University – Sofia, Eleventh International Conference Electronics 2002, Sozopol, 25-27 September, pp 65-70.*
1575. *-Lawrence M (2001) Physiological measurement. IPEM grade A training scheme, Regional medical physics department, Royal Victoria Infirmary, Newcastle upon Tyne, pp. 1-98.*

Christov I, Dotsinsky I, Simova I, Prokopova R, Trendafilova E, Naydenov S (2006) Dataset of manually measured QT intervals in the electrocardiogram. Biomedical Engineering Online, **5**, (31), pp. 1-8, http://www.biomedical-engineering-online.com/content/5/1/31.

1576. - Zhu T, Dunkley N, Behar J, Clifton D, Clifford G (2015) Fusing continuous-valued medical labels using a bayesian model. Annals of Biomedical Engineering, 25 pages, http://arxiv.org/pdf/1503.06619.pdf
1577. -Salvi V, Karnad DR, Kerkar V, Panicker GK, Natekar M, Kothari S (2014) Comparison of two methods of estimating reader variability in QT interval measurements in thorough QT/QTc studies, Annals of Noninvasive Electrocardiology, 19, (2), pp. 182-189.
1578. -Zhu T, Johnson AEW, Behar J, Clifford GD (2014) Crowd-sourced annotation of ECG signals using contextual information. Annals of Biomedical Engineering, 42, (4), pp. 871-884.
1579. -Zhu T, Johnson AEW, Behar J, Clifford GD (2013) Bayesian voting of multiple annotators for improved QT interval estimation. Computing in Cardiology, 40, pp. 659-662, ISSN: 2325-8861
1580. -Sandhya G, Venkatarao E, Sushil D, Abhay M (2013) A study of the QT interval of healthy individuals and its determinants in the Indian setting. Indian Journal of Public Health Research & Development, 4, (4), pp. 249-253.
1581. -Oster J, Geist M, Pietquin O, Clifford GD (2013) Filtering of pathological ventricular rhythms during MRI scanning. Int. J. of Bioelectromagnetism, 15, (1), pp. 54-59, ISSN: 1456-7857
1582. -Krug JW, Clifford GD, Rose GH, Oster J (2012) The limited applicability of Wiener filtering to ECG signals disturbed by the MHD effect. 20th European Signal Processing Conf., 27-31 August, Bucharest, Romania, pp. 959-963, http://www.eurasip.org/Proceedings/Eusipco/Eusipco2012/Conference/papers/1569582229.pdf
1583. -Goh Chun Seng, Sh-Hussain Salleh, Najeb JM, Kamarulafizam I, Mahyar Hamedi, Alias Md Noor (2012) Design and development of standalone DSP prototype for QT interval processing and monitoring. Scientific Research and Essays, 7, (18), pp. 1813-1829, ISSN 1992-2248
1584. -Kelvin Cheung (2011) ECG morphological features recognition and its effect to classification. PhD Thesis, Department of Applied Computer Technology, East China Normal University, China, 129 pages, DOI:CNKI:CDMD:1.1012.272492, N124, http://www.cgl.org.cn/auto/db/detail.aspx?db=950002&rid=1577501&agfi=0&cls=0&uni=True&cid=0&showgp=True&prec=False&md=93&pd=6&msd=93&psd=6&mdd=93&pdd=6&count=10&reds=waveform%3Bfeatures
1585. -Brani Vidakovic (2011) Sample and its properties Chap 1 pp. 1-17, In: Statistics for bioengineering sciences: Results, hints, and solutions to the exercises, © Springer, 222 pages, ISBN: 978-1-4614-0394-4
1586. -Noriega M, Martínez JP, Laguna P, Bailón R, Almeida R (2011) Respiration effect on Wavelet-based ECG T wave end delineation strategies. IEEE Trans Biomedical Enginiering, 59, (7), pp. 1818-1828.
1587. -Noriega M, Martínez JP, Laguna P, Romero D, Bailón R, R. Almeida (2010) Respiration effect on single and multi lead ECG delineation strategies. IEEE 32nd Annual Int. Con. of the Engineering in Medicine and Biology Society, Buenos Aires, Argentina, August 31 - September 4, pp. 3575-3578, ISBN: 979-1424-4412-35.
1588. -Ghasemi M, Ghaffari A, SadAbadi H, Golbayani H (2010) QT interval measurement using RMED curve; a novel approach based on wavelet techniques. Computer Methods in Biomechanics and Biomedical Engineering, 13, (6), pp. 857-864
1589. -Maikel Noriega Alemán (2010) Estudio comparativo de la delineación multiderivacional en la seňal electrocardiográfica. Thesis, Universidad de Zaragoza, 39 pages
1590. -Augustyniak P, Tadeusiewicz R (2009) Interpretation of the ECG as a WEB-based subscriber service, pp. 228-247. In: Ubiquitous cardiology: Emerging wireless telemedical applications, Eds: Augustyniak P, Tadeusiewicz R. © Medical Information Science, Hershey, New York, 492 pages
1591. -Almeida R, Martinez JP, Rocha AP, Laguna P (2009) Are 2 electrocardiographic leads enough for multilead wave boundary location and QT measuring? Computers in Cardiology, 36, pp. 593-596.
1592. -Joël Matheus Hendrikus Karel (2009) A wavelet approach to cardiac signal processing for low-power hardware applications. PhD thesis, Universitaire Pers Maastricht, ISBN 978-90-5278-887-6, 160 pages, http://arno.unimaas.nl/show.cgi?fid=17142.
1593. -Almeida R, Martinez JP, Rocha AP, Laguna P (2009) Multilead ECG delineation using spatially projected leads from wavelet transform loops. IEEE Trans. on Biomed Eng., 56, (8), pp. 1996-2005.
1594. -Lubart E, Segal R, Yearovoi A, Fridenson A, Baumoehl Y, Leibovitz A (2009) QT interval disturbances in hospitalized elderly patients. Israel Medical Association Journal, 11, pp. 147-150. http://www.ima.org.il/imaj/ar09mar-04.pdf
1595. -Hadj Slimane ZE, Reguig FB (2008) A real-time QT interval detection algorithm. Journal of Mechanics in Medicine and Biology, 8, (2), pp. 251-263.
1596. - Llamedo M, Martínez JP, Laguna P (2007) Un delineador de ECG Multiderivacional basado en la transformada wavelet de la señal RMS. XVI Congreso Argentino de Bioingeniería. Septiembre, San Juan, pp. 535-538
1597. -Mohd Najeb Bin Jamaludin (2007) Real-time implementation of twelve-lead automated electrocardiogram system measurement for QT dispersion analysis. ME Thesis, Universiti Teknologi Malaysia, pp.1-149, http://eprints.utm.my/6400/1/MohdNajebJamaludinMFKE2007TTT.pdf
1598. -Simon F, Martinez JP, Laguna P, van Grinsven B, Rutten C, Houben R (2007) Impacto de la reducción de la frecuencia de muestreo en la delineación automatica de ECG. XXV Congreso Anual dela Sociedad española de Ingenieria Biomedica, Cartagena, 14-16 noviembre, pp. 172-175. http://diec.unizar.es/~laguna/personal/publicaciones/caseib07-EGM.pdf

1599. *-Simon F, Martinez JP, Laguna P, van Grinsven B, Rutten C, Houben R (2007) Impact of sampling rate reduction on automatic ECG delineation. 29th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC07), Lyon, France, 23-26 August, CD version,. pp. 2587-2590, http://diec.unizar.es/~laguna/personal/publicaciones/IeeeEmbsSampling07.pdf*
1600. *-Luta G, Young SS, Dmitrienko A (2007) Multiplicity-corrected nonparametric tolerance regions for cardiac ECG features. 5th International Conference on Multiple Comparison Procedures, 8-11 July, Vienna, Austria, http://www.mcp-conference.org/2007/presentations/Luta_Gheorghe.pdf*
1601. *-Soria ML, Martínez JP, Laguna P (2006) A multilead wavelet-based ECG delineator based on the RMS signal. Computers in Cardiology, 33, pp. 153-156 http://cinc.mit.edu/archives/2006/pdf/0153.pdf*
1602. *-Chesnokov YC, Nerukh D, Glen RC (2006) Individually adaptable automatic QT detector. Computers in Cardiology, 33, pp. 337-340, http://cinc.mit.edu/archives/2006/pdf/0337.pdf*
1603. *-Martínez JP, Almeida R, Olmos S, Rocha AP, Laguna P (2006) Stability of QT measurements in the PTB database depending on the selected lead. Computers in Cardiology, 33, pp. 341-344, http://cinc.mit.edu/archives/2006/pdf/0341.pdf*
1604. *-Clifford GD, Villarroe (2006) Model-Based Determination of QT Intervals. Computers in Cardiology, **33**, pp. 357-360, http://cinc.mit.edu/archives/2006/pdf/0357.pdf*
1605. *-Almeida R, Martinez JP, Rocha AP, Olmos S, Laguna P (2006) Automatic multilead VCG based approach for QT interval measurement. Computers in Cardiology, **33**,* pp. 369-372, *http://cinc.mit.edu/archives/2006/pdf/0369.pdf*
1606. *-Ring A, Wallenstein G, Bluhmki E, Kempthorne-Rawson J (2006) On the Primary analysis in Thorough QT studies. Clinical Biostatistics, Boehringer Ingelheim Pharma GmbH & Co, lecture notes, slides 1-21, http://www.dkfz.de/biostatistics/iscb2006/Abstract_Book/CS08/CS08.4_Ring.pdf*

Herrero GG, Gotchev A, Christov I, Egiazarian K (2005) Feature extraction for heartbeat classification using independent component analysis and matching pursuits, Int. Conf. Acoustics, Speech and Signal Processing, IEEE, ICASSP2005, Philadelphia, Pennsylvania, USA, 19-23 March, book 4, pp. 725-728.

1607. *-Prabhjot Kaur, Daljeet Kaur (2015) Development of STNN & its application to ECG arrhythmia classification & diagnoses. Int. J. of Innovative Research in Science, Engineering and Technology, 4, (9), pp. 8269-8276*
1608. *-Zahra Golrizkhatami (2015) Classification of ECG signal by using wavelet transform and SVM. MS thesis, Eastern Mediterranean University, Gazimağusa, North Cyprus, 92 pages, http://i-rep.emu.edu.tr:8080/xmlui/bitstream/handle/11129/1746/GolrizkhatamiZahra.pdf?sequence=1*
1609. *-Dina Kičmerová (2013) Methods for detection and classification in ECG analysis. PhD thesis, Brno University of Technology, 129 pages, https://dspace.vutbr.cz/xmlui/bitstream/handle/11012/25776/disertace_Kicmerova.pdf*
1610. *-Galih Kinanthi Wahyu Jati, Achmad Rizal, Rita Magdalena (2013) Pendeteksian sinyal EKG dengan menggunakan dekomposisi paket wavelet dan support vector machine sebagai klasifier. 7 pages, http://arl.blog.ittelkom.ac.id/blog/files/2013/05/8-ECG-STFT-SVM-meetas-2010.pdf*
1611. *-Sansone M, Fusco R, Pepino A, Sansone C (2013) Electrocardiogram pattern recognition and analysis based on artificial neural networks and support vector machines: A review. Journal of Healthcare Engineering, 4, (4), pp. 465-504.*
1612. *- Bashir MEA, Shon HS, Lee DG, Kim H, Ryu KH (2013) Real-time automated cardiac health monitoring by combination of active learning and adaptive feature selection. KSII Transactions on Internet and Information Systems 7, (1), pp. 99-118, ISSN: 1976-7277*
1613. *-Vaneghi FM, Oladazimi M, Shiman F, Kordi A, Safari MG, Ibrahim F (2012) A comparative approach to ECG feature extraction methods. Int. Conf. on Intelligent Systems Modelling and Simulation, 8-10 Febr., Kota Kinabalu, Malaysia, pp. 252-256.*
1614. *-Rabee A, Barhumi I (2012) ECG signal classification using support vector machine based on wavelet multiresolution analysis. Int. Conf. on Information Science, Signal Processing and their Applications (ISSPA), 2-5 July 2012, Montreal, Canada, pp. 1319 - 1323*
1615. *-Shakibfar S, Graff C, Ehlers LH, Toft E, Kanters JK, Struijk JJ (2012) Assessing common classification methods for the identification of abnormal repolarization using indicators of T-wave morphology and QT interval. Computers in Biology and Medicine, 42, (4), pp. 485-491, ISSN: 0010-4825.*
1616. *-Tanskanen JMA, Viik JJ (2011) Independent component analysis in ECG signal processing, pp. 349-372, In: Advances in Electrocardiograms – Methods and Analysis, Ed: Millis RM, © InTech, 390 pages, ISBN: 978-953-307-923-3.*
1617. *-Pantelopoulos A, Bourbakis N (2011) ECG beat classification using optimal projections in overcomplete dictionaries. IEEE 23rd Int. Conf. on Tools with Artificial Intelligence, 7-9 November, Boca Raton, Florida, USA, pp.1099-1105, ISBN: 978-0-7695-4596-7*
1618. *-Mohamed Ezzeldin A. Bashir, Gyeong Min Yi, Minghao Piao, Ho Sun Shon, Keun Ho Ryu (2011) Fine-tuning ECG Parameters Technique for Precise Abnormalities Detection. Int. Conf. on Bioscience, Biochemistry and Bioinformatics, © IACSIT Press, Singapore, 5, pp. 305-309, ISSN: 2010-4618.*
1619. *-Dewi R, Hidayat IB, Rizal A (2011) Deteksi kelainan jantung menggunakan empirical mode decomposition dan extreme learning machine. Program study of Telkom University, Indonesia,*

http://openlibrary.telkomuniversity.ac.id/pustaka/files/92380/resume/deteksi-kelainan-jantung-menggunakan-empirical-mode-decomposition-dan-extreme-learning-machine.pdf
1620. -Jati GKW, Rizal A, Magdalena R (2010) Pengenalan elektrokardiogram (EKG) menggunakan dekomposisi paket wavelet dan support vector machine (SVM). Program study of Telkom University, Indonesia, http://openlibrary.telkomuniversity.ac.id/pustaka/files/91738/resume/pengenalan-elektrokardiogram-ekg-menggunakan-dekomposisi-paket-wavelet-dan-support-vector-machine-svm-.pdf
1621. - Suma Chandrika Bulusu (2010) Detection of ECG transient ST-segment episodes and machine learning based heart beat classification. PhD Thesis, University of Texas at Dallas
1622. -Behnaz Ghoraani (2010) Time-frequency feature analysis. PhD thesis. Ryerson University, Canada, Paper 1364.
1623. -Mohamed Ezzeldin Abdelrahman Bashir (2010) Ultimate real-time cardiac monitoringwith prime hybride Technique: Trigger learning and ECG parameters tuning. PhD Research, Department of Computer Science, School of Electrical and Computing Engineering, Chungbuk National Universiry, 14 pages.
1624. -Pantelopoulos A, Bourbakis N (2010) Efficient single-lead ECG beat classification using Matching Pursuit based features and an artificial neural network. IEEE/EMBS Int. Conf. on Information Technology Applications in Biomedicine, 2-5 November, Corfu, Greece, ISBN: 978-142446560-6, DOI: 10.1109/ITAB.2010.5687731
1625. -Jokić S, Krčŏ S, Delić V, SakačD, Lukić Z, Turikalo TL (2010) An efficient approach for heartbeat classification. Computing in Cardiology, 37, 991-994.
1626. -Fan Liwei (2010) Independent component analysis for naïve bayes classification. PhD Thesis. Department of Industrial & Systems Engineering, National University of Singapore, 137 pages, https://scholarbank.nus.edu.sg/bitstream/handle/10635/19064/FanLW.pdf?sequence=1
1627. -Jokić S, Krcŏ S, Delić V, Sakac̆D, Jokić I, Lukić Z (2010) An efficient ECG modeling for heartbeat classification. 10th Symposium on Neural Network Applications in Electrical Engineering, 23-25 September, Belgrade, Serbia, art. No 11676976, pp. 73-76
1628. -Alexandros Pantelopoulos (2010) Prognosis: A wearable system for health monitoring of people at risk. PhD Thesis, Department of Computer Science & Engineering, Wright State University, Dayton, Ohio, USA, 242 pages, http://etd.ohiolink.edu/send-pdf.cgi/Pantelopoulos%20Alexandros%20A.pdf?wright1284754643
1629. -Dina Kicmerova (2009) Methods for detection and classification in ECG analysis. PhD Thesis, Faculty of Electrical Engineering and Communication, Department of Biomedical Engineering, Brno University of Technology, 130 pages, http://www.vutbr.cz/www_base/zav_prace_soubor_verejne.php?file_id=18986
1630. -Raazia Mazhar (2009) Optimized dictionary design and classification using the matching pursuits dissimilarity measure. PhD Thesis, University of Florida, 135 pages, http://www.cise.ufl.edu/~rmazhar/rmazhar_Dissertation09.pdf
1631. -Mazhar R, Gader PD, Wilson JN (2009) Matching-pursuits dissimilarity measure for shape-based comparison and classification of high-dimensional data. IEEE Transactions on Fuzzy Systems, 17, (5), pp. 1175-1188
1632. -Rizal A, Suryani V (2008) Pengenalan signal EKG menggunakan dekomposisi paket wavelet dan K-means-clustering. Seminar Nasional Aplikasi Teknologi Informasi, Yogyakarta, 21 June, pp. J51-J54.
1633. -Besrour R, Lachiri Z, Ellouze N (2008) ECG beat classi1fier using support vector machine. 3rd International Conference on Information and Communication Technologies: From Theory to Applications, ICTTA 2008, 7-11 April, pp. 1-5.
1634. -Alexandre Luis Magalhães Levada (2006) Extração de atributos em emagens de sensoriamento remoto utilizando independent component analysis e combinação de métodos lineares. Thesis, Universidade Federal de São Carlos, Centro de Ciénciass e de Techologia, pp. 1-104, http://www2.dc.ufscar.br/~alexandre/files/dissertacaoFinal.pdf
1635. -Gero von Wagner (2006) Entwicklung von methoden zur echtzeitanalyse von EKG-signalen mit neuro-fuzzy-systemen für anwendungsszenarien der telemedizin. Akademischen grades eines Doktor-Ingenieurs, Fakultät für Elektrotechnik und Informationstechnik, Universität Fridericiana Karlsruhe, http://www.ubka.uni-karlsruhe.de/vvv/2007/elektrotechnik/2/2.text
1636. -Jekova I, Krasteva V (2005) Fast Algorithm for Vectorcardiogram and Interbeat Intervals Analysis: Application for Premature Ventricular Contractions Classification, Bioautomation, 3, pp. 82-93.

Jekova I, Bortolan G, Christov I (2004) Pattern recognition and optimal parameter selection in premature ventricular contraction classification *IEEE Computers in Cardiology*, 31, pp. 357-360.

1637. -Huang Zhenwei (2015) Signal processing techniques for ECG analysis. PhD thesis, Institute of Telecommunication Engineering, National Taiwan University, 120 pages, http://www.airitilibrary.com/Publication/alDetailedMesh?docid=U0001-1507201509150700#Summary
1638. -Zuzana Svanovska (2015) Expert system for detecting of ventricular extrasystoles. Brno University of Technology, MSc thesis, 88 pages, https://dspace.vutbr.cz/xmlui/handle/11012/38921
1639. -Lewandowski J (2014) Mobile application of Artificial Intelligence to vital signs monitoring: Multi-parametric, user-adaptable model for ubiquitous well-being monitoring, PhD Thesis, Coventry University, UK, 340 pages, https://curve.coventry.ac.uk/open/file/fc80e93c-1a7e-419d-84c7-eaed12d4a953/1/lewandowskicomb.pdf

1640. ✍-Jenny Nam Zheng Ning, Faust Oliver, Yu Wenwei (2014) Automated classification of normal and premature ventricular contractions in electrocardiogram signals. Journal of Medical Imaging and Health Informatics,4, (6), pp. 886-892
1641. ✍-Augustyniak P (2014) Ranking of ECG diagnostic parameters based on objective evaluation of human-system interaction. Experimental & Clinical Cardiology, 20, (7), pp. 1199-2014
1642. ✍-Zuzana Svanovska (2013) Detection of ventricular extrasystoles. Brno University of Technology, BSc thesis, 64 pages, https://dspace.vutbr.cz/xmlui/handle/11012/26191
1643. ✍-Ik-Sung Cho, Hyeog-Soong Kwon (2013) PVC classification algorithm through efficient R wave detection. J. of Sensor Science and Technology, 22, (5), pp. 338-345 http://dx.doi.org/10.5369/JSST.2013.22.5.338
1644. ✍-Christian Rockstroh (2013) Novel algorithms and rating methods for high-performance ECG classification. Dr of Sci thesis, Friedrich Alexander Universität, Erlangen Nürnberg, 232 pages, http://opus4.kobv.de/opus4-fau/files/4031/ChristianRockstrohDissertation.pdf
1645. ✍- Abed Al Raoof Bsoul (2011) Processing and classification of physiological signals using wavelet transform and machine learning algorithms. PhD thesis, Virginia Commonwealth University, 137 pages
1646. ✍-Zidelmal Z, Amirou A., Belouchrani A (2011) Using Support Vector Machines (SVMs) with asymmetrical double hinge loss for ectopic heartbeat detection. Journal of Association for the Advancement of Modeling and Simulation Techniques in Enterprises (AMSE), 18, pp. 1-15, ISSN: 1240-4543.
1647. ✍-Carvalho P, Henriques J, Couceiro R, Harris M, Antunes M, Habetha J (2011) Model-based atrial fibrillation detection, Chapter 5, pp. 99-133. In: ECG signal processing, classification and interpretation: A comprehensive framework of computational intelligence, Eds: Gacek A, Pedrycz W, © Springer, 278 pages, ISBN 978-0-85729-867-6
1648. ✍-Shen Z, Hu C, Li P, Meng MQ-H (2011) Research on premature ventricular contraction real-time detection based support vector machine. IEEE Int. Conf. on Information and Automation, ICIA 6-8 June, Shenzhen, China, pp. 864-869, ISSN: 978-1-4577-0268-6.
1649. ✍-Boucheham B (2011) Abnormality detection in electrocardiograms by time series alignment. Communications in Information Science and Management Engineering, 1, (3), pp. 6-10, ISSN: 2222-1859
1650. ✍-Shen Z, Hu C, Liao J, Meng MQ-H (2010) An algorithm of premature contraction detection based on wavelet method. IEEE International Conference on Information and Automation, ICIA 2010, 20-23 June, Harbin, Heilongjiang, China, art. no. 5512157, pp. 1053-1058.
1651. ✍-Krimi S, Ouni K, Ellouze N (2010) Hidden Markov tree based arrhythmia classification. Computing in Cardiology, 37, http://cinc.mit.edu/current/preprints/249.pdf
1652. ✍-Bsoul AAR., Ward K, Najarian K, Ji S-Y (2010) A unified signal processing and machine learning method for detection of abnormal heart beats using electrocardiogram. IEEE Int. Conf. on Bioinformatics and Biomedicine, 28-21 December, Hong Kong, ISBN: 978-142448304-4, pp. 453-460.
1653. ✍-Tsung-Jui Chen (2010) Autosensing lab-mice enrichment system with vivimetric data and trial analyses. MS Thesis, Colledge of Electrical Engineering, National Taiwan University, 54 pages, http://www.cetd.com.tw/ec/thesisdetail.aspx?etdun=U0001-1708201020141000
1654. ✍-Shen Zhao, Hu Chao, Liao Jingsheng (2010) Template matching based on wavelet analysis and arrhythmia detection algorithm. Buletin of Advanced Technology Research, 4, (3), pp. 42-45.
1655. ✍-Krimi S, Ouni K, Ellouze N (2010) ECG signal classification using hidden Markov tree. International Review on Computers and Software, 5, (6), pp. 615-619
1656. ✍-Zidelmal Z, Amirou A, Belouchrani A (2009) Using support vector machines (SVMS) with reject option for heartbeat classification. Int. Conf. on Bio-inspired Systems and Signal Processing, Porto, Portugal, 14-17 January, pp. 204-210.
1657. ✍-Besrour R, Lachiri Z, Ellouze N (2008) ECG beat classifier using support vector machine. 3rd Int. Conf. on Information and Communication Technologies: From Theory to Applications, ICTTA 2008, 7-11 April, pp. 1-5.
1658. ✍- Todorova L (2008) Determining the specificity, sensitivity, positive and negative predictive values in intuitionistic fuzzy logic. 12th Int. Conf. on IFSs, Sofia, 17-18 May, 14, pp. 73-79
1659. ✍-Couceiro R, Carvalho P, Henriques J, Antunes M (2008) On the detection of premature ventricular contractions. 30th Ann. Conf. IEEE Engineering in Medicine and Biology Society, 20-24 August, Vancouver, Canada, vol 1-8, pp. 1087-1091.
1660. ✍-Henriques J, Carvalho P, Harris M, Antunes M, Couceiro R, Brito M, Schmidt R (2008) Assessment of arrhythmias for heart failure management. 5th International Workshop on Wearable Micro and Nanosystems for Personalised Health, Valencia, Spain, 21-23 May, paper no. 26, pp. 1-6.
1661. ✍-Li Sheng-ian, Xu Yi-xin (2008) Development of methods for automatic heatbeat classification. Shanghai Journal of Biomedical Engineering, 29, (3), http://d.wanfangdata.com.cn/Periodical_shswyxgc200803011.aspx
1662. ✍-Besrour R, Lachiri Z, Ellouze N (2008) ECG beat classifier using support vector machine. 3rd Int. Conf. on Information and Communication Technologies: From Theory to Applications, ICTTA 2008, 7-11 April, pp. 1-5.
1663. ✍-Gero von Wagner (2006) Entwicklung von methoden zur echtzeitanalyse von EKG-signalen mit neuro-fuzzy-systemen für anwendungsszenarien der telemedizin. Akademischen grades eines Doktor-Ingenieurs, Fakultät für

Elektrotechnik und Informationstechnik, Universität Fridericiana Karlsruhe, http://www.ubka.uni-karlsruhe.de/vvv/2007/elektrotechnik/2/2.text

1664. *Людмила Тодорова (2006) Система за анализ на състоянието на пациенти при отвикване от продължителна механична вентилация, Дисертация за Доктор, ЦЛБМИ, БАН*

Christov I, Bortolan G, Daskalov I (2001) Sequential analysis for automatic detection of atrial fibrillation and flutter. *IEEE Computers in Cardiology*, 28, pp. 293-296.

1665. *Usha Desai, Roshan Martis, Nayak C, Seshikala G, Sarika K, Shetty K (2016) Decision support system for arrhythmia beats using ECG signals with DCT, DWT and EMD methods: A comparative study. J. of Mechanics in Medicine and Biology, 16, (1), 19 pages*
1666. *Usha Desai, Roshan Martis, Rajendra Acharya, Nayak C (2016) Diagnosis of multiclass tachycardia beats using recurrence quantification analysis and ensemble classifiers. J. of Mechanics in Medicine and Biology, 16, (2), 21 pages*
1667. *Daqrouq K, Dobaie A (2015) Wavelet based method for congestive heart failure recognition by three confirmation functions, 35 pages, http://scholar.google.bg/scholar_url?url=http://downloads.hindawi.com/journals/cmmm/aip/308079.pdf&hl=bg&sa=X&scisig=AAGBfm0fe-WlBUIXFGK8vFHonhYpStYeFQ&nossl=1&oi=scholaralrt*
1668. *Okandan M, Kara S (2015) Atrġal fġbrġlasyonlu EKG'lerġn yapay sġnġr ağlari ve waveletler kullanilarak siniflandirilmasi (Classification of ECGs with atrial fibrillation using wavelets and artificial neural networks), 4 pages, : http://www.researchgate.net/publication/238674651*
1669. *Maji U, Pal S, Mitra M (2015) Study of atrial activities for abnormality detection by phase rectified signal averaging technique. J. of Medical Engineering & Technology, 39, (5), pp. 291-302.*
1670. *Maji U, Pal S (2014). Detection of atrial flutter using PRSA. Int. Conf. on Electronics, Comunication and Instrumentation, 16-17 Jan. Kolkata, India, 4 pages.*
1671. *Maji U, Mitra M, Pal S (2014). Differentiating normal sinus rhythm and atrial fibrillation in ECG signal: A phase rectified signal averaging based approach. IEEE Int. Conf. on Control, Instrumentation, Energy and Communication, 31 Jan – 2 Feb., Calcuta, India, pp. 176-180.*
1672. *Abdul-Kadir NA, Safri NM, Othman MA (2014) Classification of paroxysmal atrial fibrillation using second order system. Jurnal Teknologi, 63, (3), pp. 57-64.*
1673. *Uday M, Saurabh P (2014) Detection of atrial flutter using PRSA. Int. Conf. on Electronics, Communication and Instrumentation, 16-17 Jan, Kolkata, India, 4 pages, DOI: 10.1109/ICECI.2014.6767361*
1674. *Khalooq Y. Al Azzawi (2014) ECG Arrhythmias classification by combined feature extraction method and neural network. Eng. & Tech. Journal, 32, (3), pp. 586-596.*
1675. *Daqroug K, Alkhateeb A, Ajour MN, Morfeq A (2014) Neural network and wavelet average framing percentage energy for atrial fibrillation classification. Computer Methods and Programs in Biomedicine, 113, (3), pp. 919-926*
1676. *Maji U, Mitra M, Pal S (2013) Automatic detection of atrial fibrillation using empirical mode decomposition and statistical approach. Procedia Technology, 10, pp. 45–52*
1677. *Bashir MEA, Ryu KS, Yun U, Ryu KH (2012) Pro-detection of atrial fibrillation using mixture of experts. IEICE Transactions on Information and Systems, vol E95-D, (12), pp 2982-2990, ISSN: 1916-8532*
1678. *Bashir M, Dong Gyu Lee, Li M, Ho Sun Shon, Kwang Sun Ryu (2012) Trigger learning and ECG parameter customization for remote cardiac clinical care information system. IEEE Transactions on Information Technology in Biomedicine, 16, (4), pp. 561-571, ISSN: 1089-7771*
1679. *Mohamed Ezzeldin A. Bashir, Kwang Sun Ryu, Soo Ho Park, Dong Gyu Lee, Jang-Whan Bae, Ho Sun Shon, Keun Ho Ryu (2012) Pro-detection of atrial fibrillation with ECG parameters mining technique. Advances in Control and Communication, Lecture Notes in Electrical Engineering, 137, pp. 717-724.*
1680. *Yaghouby F, Ayatollahi A, Bahramali R, Yaghouby M (2012) Robust genetic programming-based detection of atrial fibrillation using RR intervals. Expert Systems, 29, (2), pp. 183-199, ISSN:0266-4720.*
1681. *Nekane Larburu Rubio (2011) Comparative study of algortihms for atrial fibrillation detection. MS Thesis, Publica Universitas Navarrensis, Pamplona, Spain, 142 pages, http://academica-e.unavarra.es/bitstream/handle/2454/4136/577570.pdf?sequence=1*
1682. *Mohamed Ezzeldin A. Bashir, Kwang Sun Ryu, Soo Ho Park, Dong Gyu Lee, Jang-Whan Bae, Ho Sun Shon, Keun Ho Ryu (2011) Superiority real-time cardiac arrhythmias detection using trigger learning method, Information Technology in Bio- and Medical Informatics, vol. 6959, pp. 53-65, In: Lecture Notes in Computer Science, ISBN 978-3-642-23207-7.*
1683. *Escalona OJ, Reina ME (2010) A fast and robust time-series based decision rule for identification of atrial fibrillation arrhythmic patterns in the ECG. Computing in cardiology, 37 pp. 995-998.*
1684. *Yaghouby F, Ayatollahi A, Bahramali R, Yaghouby M, Alavi AH (2010) Towards automatic detection of atrial fibrillation: A hybrid computational approach. Computers in Biology and Medicine, 40, (11-12), pp. 919-930*
1685. *Apiwat Lek-Uthai (2009) Automatische Erkennung von Vorhoffimmern in Echtzeit. PhD Thesis, Elektrotechnik und Informationstechnik der Universität Karlsruhe, 162 pages, http://digbib.ubka.uni-karlsruhe.de/volltexte/documents/946003*

1686. *-Valenzuela O, Rojas I, Rojas FJ, Pomares H, Bernier JL, Herrera J, Guillen A (2009) Intelligent system based on genetic programming for atrial fibrillation classification. Applied Artificial Intelligence, 23, (10), pp. 895-909.*
1687. *-Afsar FA, Arif M (2008) Robust electrocardiogram (ECG) beat classification using discrete wavelet transform. Physiol. Meas., 29, pp. 555-570.*
1688. *-Kara S, Okandan M (2007) Atrial fibrillation classification with artificial neural networks. Pattern Recognition, 40, (11), pp. 2967-2973.*
1689. *-Dotsinsky I. (2007) Atrial wave detection algorithm for discovery of some rhythm abnormalities, Phys. Meas., 28, pp. 595-610.*
1690. *-Mauricio Enrique Reina Fiore (2006) Diseño y análisis de confiabilidad de un algoritmo para la detección de fibrilación auricular. MS thesis, Universidad Simon Bolivar, 73 pages, http://www.gbba.usb.ve/sites/default/files/tesis_mreina.pdf*
1691. *-Stridh M, Bollmann A, Olsson SB, Sörnmo L (2006) Detection and feature extraction of atrial tachyarrhythmias: A three stage method of time-frequency analysis. IEEE Engineering in Medicine and Biology Magazine 25, (6), pp. 31-39.*
1692. *-Yi-Chen Lin, Tsair Kao (2005) Study of atrial flutter and atrial fibrillation based on surrogate data testing, National Yang-Ming University, Institute of Biomedical Engineering, 90 pages, http://74.125.155.132/scholar?q=cache:uaxlKbBNg7kJ:scholar.google.com/*
1693. *-Tsipouras MG, Oikonomou VP, Fotiadis DI, Michalis LK, Sideris D (2004) Classification of atrial tachyarrhythmias in electrocardiograms using time frequency analysis, IEEE Computers in Cardiology, 31, pp. 245-258*
1694. *-Okandan M, Kara S (2004) Classification of ECGs with Atrial Fibrillation using Wavelets and Artificial Neural Networks. National Meeting on Biomedical Engineering, İstanbul, Turkey, pp. 61-64.*

Christov I, Simova I (2007) Q-onset and T-end delineation: Assessment of the performance of an automated method with the use of a reference database. *Physiological Measurement,* 28, (2), pp. 213-221.

1695. *-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*
1696. *-Akhbari M, Shamsollahi MB, Jutten C, Armoundas AA, Sayadi O (2016) ECG denoising and fiducial point extraction using an extended Kalman filtering framework with linear and nonlinear phase observations. Physiological Measurement, 37, (2), pp. 203-226.*
1697. *-Javadi M (2014) On the post-design aspects of human/animal electrocardiogram P-QRS-T detection algorithms. Scientia Iranica, 21, (2), pp. 425-437*
1698. *-Xiaoshuang Shi, Yue Zhang (2013) Automatic delineation of single-lead electrocardiograph fiducial points based on the hierarchical triple-extreme-points model. ICCE-China Workshop, 11-13 April, Shenzhen, China, pp. 20-25*
1699. *-Madeiro JPV, Nicolson WB, Cortez PC, Marques JAL, Seisdedos CRV, Elangovan N, Andre Ng G, Schlindwein FS (2013) New approach for T-wave peak detection and T-wave end location in 12-lead paced ECG signals based on a mathematical model.Medical Engineering and Physics, 35, (8), pp. 1105-1115, ISSN: 1350-4533.*
1700. *-Luca Sorrentino (2012) Analisi beat-to-beat dell'intervallo QT durante trattamento dialitico. Corso di Laurea Specialistica in Ingegneria Biomedica, Facoltà di Ingegneria dei Sistemi, Politecnico di Milano, 110 pages, https://www.politesi.polimi.it/bitstream/10589/72497/1/2012_12_Sorrentino.pdf*
1701. *- Madeiro JPV, Cortez PC, Marques JAL, Seisdedos CRV, Sobrinho CRMR (2012) An innovative approach of QRS segmentation based on first-derivative, Hilbert and Wavelet Transforms. Medical Engineering and Physics, 34, (9), pp. 1236-1246, ISSN: 1350-4533.*
1702. *-Homaeinezhad MR, Golmirzaei A, Naseri H (2012) A software framework for evaluation of rat heart bio-mechanics properties based on concavity analysis of measured signals in animal catheter laboratories. 20th Int. Conf. on Mechanical Engineering, 16-18 May, Shiraz, Iran, pp. 1-4.*
1703. *-Homaeinezhad MR, Sabzevari SAH, Ghaffari A, Daevaeiha M (2012) High-accuracy characterization of ambulatory Holter electrocardiogram events: A comparative study between Walsh-Hadamard transform, first-derivative-based and intelligent techniques. Int. J. of Systems Biology and Biomedical Technologies, 1, (3), pp. 40-71, ISSN: 2160-9586.*
1704. *-Homaeinezhad MR, Khazraee M, Khazraee M (2012) An open-source high speed C++/MEX framework for the detection and delineation of long-duration ambulatory Holter ECG events: HSEDF. Int. J. of Information Engineering, 2, (1), pp. 12-30, ISSN: 2226-7921.*
1705. *-Kelvin Cheung (2011) ECG morphological features recognition and its effect to classification. PhD Thesis, Department of Applied Computer Technology, East China Normal University, China, 129 pages, DOI:CNKI:CDMD:1.1012.272492, N124, http://www.cgl.org.cn/auto/db/detail.aspx?db=950002&rid=1577501&agfi=0&cls=0&uni=True&cid=0&showgp=True&prec=False&md=93&pd=6&msd=93&psd=6&mdd=93&pdd=6&count=10&reds=waveform%3Bfeatures*
1706. *-Zhenhu Liang, Yinghua Wang, Shuaiting Wang,Longzhou Guan,Yingwei Li,Xiaoli Li (2011) A remote electrocardiogram monitoring system based on smart phone platform, AISS: Advances in Information Sciences and Service Sciences, 3, (11), pp. 389-397, ISSN: 2233-9245*

1707. ✍-Mohammad R, Homaeinezhad MR, Ghaffari A, Abbas Atyabi S (2011) Design of a unified framework for analyzing long-duration ambulatory ECG: Application for extracting QRS geometrical features. Biomedical Engineering Letters. 1, (2), pp. 116-128, ISSN: 20939868.
1708. ✍-Homaeinezhad MR, Ghaffari A, Toosi HN, Rahmani R, Tahmasebin M, Daevaeiha MM (2011) Ambulatory Holter ECG individual events delineation via segmentation of a wavelet-based information-optimized 1-D feature. Scientia Iranica Transaction B-Mechanical Engineering, 18, (1), pp. 35-58, ISSN: 1026-3098.
1709. ✍-Homaeinezhad MR, Ghaffari A, Toosi HN, Tahmasebin M, Daevaeiha MM (2011) A unified framework for delineation of ambulatory holterecg events via analysis of a multiple-order derivative wavelet-based measure. Iranian Journal of Electrical & Electronic Engineering, 7, (1), pp. 1-18, ISSN: 1735-2827
1710. ✍-Ghaffari A, Homaeinezhad MR, Daevaeiha MM (2011) High resolution ambulatory holter ECG events detection-delineation via modified multi-lead wavelet-based features analysis: Detection and quantification of heart rate turbulence. Expert Systems with Applications, 38, (5), pp. 5299-5310, ISSN: 0957-4174
1711. ✍-Martínez A, Alcaraz R, Rieta JJ (2010) A new method for automatic delineation of ECG fiducial points based on the Phasor Transform. IEEE Annual Int. Conf. on Engineering in Medicine and Biology Society, 31 September-4 October, Buenos Aires, Argentina, DOI: 10.1109/IEMBS.2010.5626498, pp. 4586-4589
1712. ✍-Xie Na, Yuan You-Xin, Xu Xiang-Lian, Hu Hong-Ming, XiaoYi-Ping (2010) Research on static var compensator mechanism of compensation based on reactor variable. Journal of Wuhan University of Technology, 32, (10), pp. 129-132
1713. ✍-Martínez A, Alcaraz R, Rieta JJ (2010) Application of the phasor transform for automatic delineation of single-lead ECG fiducial points. Physiological measurements, 31, (11), pp. 1467-1485.
1714. ✍-Martínez A, Alcaraz R, Rieta JJ (2010) Automatic electrocardiogram delineator based on the phasor transform of single lead recordings. Computing in cardiology, 37, pp. 987-990
1715. ✍-Martínez A, Alcaraz R, Real J, Sanchez C, Rieta JJ (2010) Aplicación de la transformada fasorial en la delineación automática de puntos fiduciales en el ECG. XXVIII Congreso Anual de la Sociedad Española de Ingeniería Biomédica, 24-26 November, Madrid, Spain, In: Libro Actas CASEIB 2010, ISBN: 978-84-8058-1, 4 pages.
1716. ✍-Homaeinezhad MR, Ghaffari A, Toosi HN, Tahmasebi M, Daevaeiha MM (2010) Optimal delineation of ambulatory Holter ECG events via false-alarm bounded segmentation of a wavelet-based principal components analyzed decision statistic. Cardiovascular Engineering, 10, (3), pp. 136-156.
1717. ✍-Chen J, Long J-F, Xiang K, Zhou L-H (2010) Research on locating method for Q wave onset based on isoelectric line recognition. Journal of Wuhan University of Technology, 32, (10), pp. 126-132
1718. ✍-Ghaffari A, Homaeinezhad MR, Khazraee M, Daevaeiha MM (2010) Segmentation of Holter ECG waves via analysis of a discrete wavelet-derived multiple skewness–Kurtosis based metric. Annals of Biomedical Engineering, 38, (4), pp. 1497-1510.
1719. ✍-Lin Hai-ping, Xiang Kui, Chen Jing (2009) Precise location algorithm for QRS in ECG. Space Medicine & Medical Engineering, 22, (4), pp.286-290, http://journal.shouxi.net/html/qikan/yykxzh/htyxyyxgc/20098224/xslz/20090907092049986_491485.html
1720. ✍-Ghaffari A, Homaeinezhad M, Akraminia M, Atarod M, Daevaeiha M (2009) A robust wavelet-based multi-lead electrocardiogram delineation algorithm . Medical Engineering & Physics, 31 (10), pp. 1219-1227.
1721. ✍-Sayadi O, Shamsollahi MB (2009) A model-based Bayesian framework for ECG beat segmentation. Physiological Measurement, 30, (3), pp. 335-352.
1722. ✍-Gratkowski M, Haueisen J, Arendt-Nielsen L, Chen ACN, Zanow F (2008) Decomposition of biomedical signals in spatial and time-frequency modes. Methods of Information in Medicine, 47, (1), pp. 26-37.

Christov II, Simova II (2006) Fully automated method for QT interval measurement in ECG, *IEEE Computers in Cardiology*, 33, pp. 321-324.

1723. ✍-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.
1724. ✍-Akash Kumar Bhoi, Karma Sonam Sherpa, Bidita Khandelwal (2015) Classification probability analysis for arrhythmia and ischemia using frequency domain features of QRS complex. Int. J. of Bioautomation, 19, (4), pp. 531-542.
1725. ✍-Muhammad Asraful Hasan (2014) Analysis of beat-to-beat QT interval variability in 12-lead ECG signals. PhD Thesis, University of Adelaide, Australia, 185 pages, https://digital.library.adelaide.edu.au/dspace/bitstream/2440/85192/4/02whole.pdf
1726. ✍-Ming Li, Xin Li (2014) Verification based ECG biometrics with cardiac irregular conditions using heartbeat level and segment level information fusion. Int. Conf. on Acoustics Speech and Signal Processing, 4-9 May, Florence, Italy, pp. 3769-3773, http://jie.sysu.edu.cn/~mli/paper/ecg_biometrics_icassp2013.pdf
1727. ✍-Wang Yun, Meng Yao,Ding Yu, Rao Ni (2013) Detection method of T waves with different morphologies in electrocardiogram. Space Medicine & Medical Engineering, 26, (4), http://d.wanfangdata.com.cn/periodical_htyxyyxgc201304008.aspx
1728. ✍-Tomas Vana (2013) QT interval measurement. Bachelor's thesis, Brno University of Technology, 58 pages, https://dspace.vutbr.cz/xmlui/bitstream/handle/11012/26116/tomas_vana_BP.pdf

1729. ✍-Bachler M, Mayer C, Hametner B, Wassertheurer S, Holzinger A (2013) Online and offline determination of QT and PR interval and QRS duration in electrocardiography. Lecture Notes in Computer Science, vol 7719, 2013, pp 1-15.
1730. ✍-Bachler M, Mayer C, Hametner B, Wassertheurer S (2012) Automatic detection of QRS complex, P-wave and T-wave in the electrocardiogram. Simulation Notes Europe, 22, (1), pp. 39-44, ISSN 2305-9974.
1731. ✍-Pu Y, Gropper C, Lin D (2012) Locating fiducial points in a physiological signal. US Patent 8200319 B2
1732. ✍-Goh Chun Seng, Sh-Hussain Salleh, Najeb JM, Kamarulafizam I, Mahyar Hamedi, Alias Md Noor (2012) Design and development of standalone DSP prototype for QT interval processing and monitoring. Scientific Research and Essays, 7, (18), pp. 1813-1829, ISSN 1992-2248
1733. ✍-Kelvin Cheung (2011) ECG morphological features recognition and its effect to classification. PhD Thesis, Department of Applied Computer Technology, East China Normal University, China, 129 pages, DOI:CNKI:CDMD:1.1012.272492, N124, http://www.cgl.org.cn/auto/db/detail.aspx?db=950002&rid=1577501&agfi=0&cls=0&uni=True&cid=0&showgp=True&prec=False&md=93&pd=6&msd=93&psd=6&mdd=93&pdd=6&count=10&reds=waveform%3Bfeatures
1734. ✍-Piotr Augustyniak (2011) Elektrokardiografia dla Informatyka – praktyka, e-book, Krakow, ISBN 978-83-932168-3-3, http://www.edi.agh.edu.pl/start/index.php/rozdzial-vii/literatura7
1735. ✍-Jerez ND, Molina RM, Sulbarán RR, Abril AÁ (2010) Certificación del sistema ECGAR para su aplicación en centros de salud. 4to Congreso Iberoamericano de Estudiantes de Ingeniería Eléctrica & 5tas Jornadas de Ingeniería Eléctrica, 3-6 May, Merida, Venezuela, pp. IB1-IB12, http://www.cibelec.org.ve/2010/docs/Ingenieria-Biomedica.pdf
1736. ✍-Zhu K, Wang L, Shen M, Dong J (2010) An experience-based multi-lead decision model for electrocardiogram wave boundary detection. 3rd Int. Conf. on Biomedical Engineering and Informatics, 16-18 October, Yantai, China, art. No 5640078, 2, pp. 735-739.
1737. ✍-Cuadros J, Medina R, Rojas R, Jugo D, Nuñez T (2010) Herramienta computacional para la detección temprana del mal de chagas mediante el procesamiento de la señal electrocardiográfica. 4to Congreso Iberoamericano de Estudiantes de Ingeniería Eléctrica, 5tas Jornadas de Ingeniería Eléctrica, ISBN: 978-980-7185-1, pp. IB8-IB12, http://www.cibelec.com/2010/docs/Ingenieria-Biomedica.pdf
1738. ✍-Sun Zhong-Wei, Peng Yi (2009) Study on a complex algorithm for detecting QT interval. Biomedical Engineering and Clinical Medicine, 13, (3), pp. 184-188, http://wanfang.ljwhxx.cn:8002/periodical/periodical.articles/swyxgcylc/swyx2009/0903/090304.htm
1739. ✍-Sun Zhong-Wei, Peng Yi (2009) The automatic detection algorithms and analysis methods of QT intervals. Chinese Journal of Biomedical Engineering, 28, (1), pp. 121-127, http://218.25.35.166:95/periodical/periodical.articles/zgswyxgcxb/zgsw2009/0901/090122.htm
1740. ✍-Alcaraz R, Rieta JJ, Martínez A (2009) Comparative study of non-invasive organization estimation strategies to predict spontaneous termination of atrial fibrillation. Computers in Cardiology, 36, pp. 513–516.
1741. ✍-Cuadros J, Medina R., Dugarte N, Rojas R, Jugo D, Nuñez T (2009) Sistema de visualización y análisis de señales electrocardiográficas utilizando Efltk. XVII Congreso Argentino de Bioingenieria, VI Jornadas de Ingenieria Clinica, 14-16 Octubre, Rosario, Argentina, pp. 169-172., http://rosario2009.sabi.org.ar/uploadsarchivos/p169.pdf
1742. ✍-Alcaraz R, Rieta JJ (2009) A novel application of sample entropy to the electrocardiogram of atrial fibrillation. Nonlinear Analysis: Real World Applications, 11, (2), pp. 1026-1035.
1743. ✍-Alcaraz R, Rieta JJ (2009) Surface ECG organization analysis to predict paroxysmal atrial fibrillation termination. Computers in Biology and Medicine, 39, (8), pp. 697-706.
1744. ✍-Tsou Chin-Hua (2008) The development of lead-patch wireless 12-lead electrocardiograph system. MS Thesis, National Chiao Tung University, Taiwan, 62 pages,. http://etd.lib.nctu.edu.tw/cgi-bin/gs/tugsweb.cgi?o=dnctucdr&i=sGT009512586.id
1745. ✍-Yang Shuo, Ding Ming-shi, LV Yang-sheng, Zhang Li-xin (2008) Progress of the research on automatic QT interval measurement. China Medical Devices, 23, 10, http://d.wanfangdata.com.cn/Periodical_ylsbxx200810015.aspx
1746. ✍- Yang Shuo, Bian Desongezz (2008) Automatic detection of T-wave end in ECG signals. 2nd International Symposium on Intelligent Information Technology Application, IITA 2008, 21-23 December, Shanghai, China, Vol. 3, pp. 283-287.
1747. ✍- Yang Shuo, Bian Desong (2008) Automatic detection of QRS onset in ECG signals. IEEE Int. Symposium on IT in Medicine and Education, ITME 2008, 15-22 November, Bangalore, India, pp. 291-294.
1748. ✍-Qiu Guo-Yuan (2007) Development of 12 Lead Electrocardiograph. MS Thesis, National Chiao Tung University, 96 pages, http://ndltd.ncl.edu.tw/cgi-bin/gs32/gsweb.cgi/login?o=dnclcdr&s=id=%22096NCTU5591044%22.&searchmode=basic
1749. ✍-Moody GB, Koch H, Steinhoff U (2006) The PhysioNet / Computers in Cardiology Challenge 2006: QT Interval Measurement. Comp in Card, 33, pp. 313-316, http://cinc.mit.edu/archives/2006/pdf/0313.pdf

Atanassova E, Daskalov IK, Dotsinsky IA, Christov II, Atanassova A (1995) Non-Invasive Electrogastrography. Part 1: Correlation between the Gastric Electrical Activity in Dogs with Implanted and Cutaneous Electrodes, *Archives of Physiology and Biochemistry*, 103, 4, pp. 431-435.

1750. *- Leo K. Cheng, Gianrico Farrugia (2013) New Advances in Gastrointestinal Motility Research. Lecture Notes in Computational Vision and Biomechanics, 10, pp. 1-6*
1751. *- Bradshaw LA, Kim J, Cheng L, Richards W (2013) Biomagnetic signatures of gastrointestinal electrical activity. Lecture notes in Computational Vision and Biomechanics, 10, pp. 141-1654.*
1752. *-Zheng J, Luo C, Qin Z (2011). A preliminary study of cutaneous electrogastrograms before and during electro-acupuncture at ST-36 and the effects on M-cholinoceptors, α-adrenoceptors and H2 Histamine receptors. American J. of Traditional Chinese Veterinary Medicine, 6, (2)*
1753. *-Yu-Min Huang (2011) Autonomic function mediates sleep-wake-related changes in gastric myoelectrical activity in rats. PhD Thesis, Graduate Institute of Medical Sciences, Tzu Chi University, Taiwan, 190 pages, http://www.etd.library.tcu.edu.tw/ETD-db/ETD-search-c/view_etd?URN=etd-0725111-164842 .*
1754. *-Ye-Lin Y, Garcia-Casado J, Martinez-de-Juan JL, Prats-Boluda G, Ponce JL (2010) The detection of intestinal spike activity on surface electroenterograms. Physics in Medicine and Biology, 55, 3, pp. 663-680.*
1755. *-Koenig JB., Martin CEW, Dobson H, Mintchev MP (2009) Use of multichannel electrogastrography for noninvasive assessment of gastric myoelectrical activity in dogs. Am J of Veterinary Research, 70, (1), pp. 11-15.*
1756. *- Andrei Irimia (2007) Multivariate signal processing and theoretical modeling for the study of gastrointestinal bioelectromagnetism. PhD thesis, Vanderbilt University, Nashville, Tennessee,USA, 180 pages, http://etd.library.vanderbilt.edu/available/etd-11202007-162501/unrestricted/dissertation.pdf*
1757. *-Martina Gradinger (2006) Die autonome Neuropathie des Magens bei terminalerNiereninsuffizienz –Stellenwert der Elektrogastrographie als Diagnostikum. Dissertation zur Erlangung des Grades eines Doktors der Medizin der Medizinischen Fakultät der Universität des Saarlandes, http://scidok.sulb.uni-saarland.de/volltexte/2007/1067/pdf/Dissertation_Martina_Gradinger.pdf*
1758. *-Irimia A, Richards WO and Bradshaw AL (2006) Magnetogastrographic detection of gastric electrical response activity in humans. Physics in Medicine and Biology, 51, pp. 1347-1360.*
1759. *-Huang Yu Min (2005) Effect of sleep and food intake on gastric myoelectrical activity: Establishment of Animal model for gastric myoelectrical recording. PhD thesis, 碩士論文, Taiwan, http://www.etd.library.tcu.edu.tw/ETD-db/ETD-search/getfile?URN=etd-0817105-*
1760. *-Merritt AM (2003) The equine stomach: A personal perspective (1963-2003), In: 49th Annual convention of the American Association of Equine Practitioners, New Orleans, Louisiana (Ed.), pp. 1-33, http://www.ivis.org/proceedings/AAEP/2003/merritt/ivis.pdf*
1761. *-Akin A, Sun HH (2002) Non-invasive gastric motility monitor: fast electrogastrogram (fEGG). Physiological Measurement, 23, pp. 505-519.*
1762. *-Harm DL, Sandoz GR, Stern RM (2002) Changes in gastric myoelectric activity during space flight. Digestive Diseases and Sciences, 47, (8), pp. 1737-1745.*
1763. *-Akin A, Sun HH (2001) Non-invasive gastric motility monitor: fast electrogastrogram (fEGG). Engineering in Medicine and Biology Society, Proceedings of the 23rd Annual International Conference of the IEEE, Istanbul, Turkey, book 4, pp. 3341-3344.*
1764. *-Martinez YR, de Leon AR, Diaz-Rubio M (2001) Reproducibility of ambulatory cutaneous electrogastrography in healthy volunteers. Revista Española de Enfermedades Digestivas, 93, (2), pp. 92-95.*
1765. *-Yolanda Real Matrtínez (1999) Electrogastrografía en sujetos: Reproductibilidad de la tecnica. Tesis Doctoral, Facultad de Medicina, Universidad Complutence de Madrid, 171 pages, http://eprints.ucm.es/tesis/19972000/D/0/D0122801.pdf*
1766. *-Park BR, Kim MS, Lee MY, Kim YK, Choi SC, Nah YH (1999) Effects of galvanic stimulation of the mastoid process on the gastric motility induced by caloric stimulation. Auris Nasus Larynx, 26, (3), pp.263-268.*
1767. *-Akin A, Sun HH (1999) Time-frequency methods for detecting spike activity of stomach. Medical & Biological Engineering & Computing, **37**, (3), pp. 381-390.*
1768. *-Ata Akin (1998) Non-invasive detection of spike activity of the stomach from cutaneous EGG, PhD Thesis, Drexel University, Pennsylvania USA, 173 pages*
1769. *-Verhagen MAMT, Luijk HD, Samsom M, Smout AJPM (1998) Effect of meal temperature on the frequency of gastric myoelectrical activity. Neurogastroenterology and Motility, 10, (2), pp. 175-181.*
1770. *-Pörtner MR, Telöken C (1996) Is penile EMG activity a fragment of a more generalized sympathetic output? International Society for Impotence Research, http://www.geocities.com/RainForest/5639/penilemg.htm*

Dotsinsky IA, Christov II, Daskalov IK (1991) Multichannel DC amplifier for a microprocessor electroencephalograph, *Med. & Biol. Eng. & Comp.*, **29**, pp. 324-329.

1771. *-Thomas Werner Degen (2011) Portable devices for mobile health monitoring. Dr Sci Thesis, Eidgenössische Technische Hochschule Zürich, 161 pages, http://e-collection.library.ethz.ch/eserv/eth:2934/eth-2934-02.pdf*
1772. *-Musallam S, Andersen RA, Corneil BD, Greger B, Scherberger H (2010) Cognitive control signals for neural prosthetics. Patent: US 7,826,894 B2*

1773. ✍-Filomena E, Aldonate J, Rubén A, Spinelli E (2009) Revisión sobre nuevas tendencias en la adquisición de biopotenciales. XVII Congreso Argentino de Bioingenieria, VI Jornadas de Ingenieria Clinica, 14-16 Octubre, Rosario, Argentina, pp 148-151.
1774. ✍-Gao Jianming, Li Gang, Chen Yagin (2006) Design of micro intelligent ECG based on signal 8051. Electronic Measurement Technology, 29, (1), pp.113-114.
1775. ✍-Pesaran B, Andersen RA (2005) Prosthetic devices and methods and systems related thereto. United States Patent 7797040
1776. ✍-Илиев И (2005) Основи на биомедицинското инженерство. Курс лекции и упражнения, Факултет електронна техника и технологии, Технически университет София.
1777. ✍-Gang Li, Ling Lin (2003) Noble bio-potential pre-amplify. Zqsplc, 9, (5), pp. 1-4, http://www.zqsplc.net/Article_Show.asp?ArticleID=791
1778. ✍-Gang Li, Ling Lin (2002) Noble bio-potential pre-amplify. Texas Instrument. Real World Signal Processing, 6, pp. 1202-1204.
1779. ✍-李刚, 林凌 (2002) The design of bioelectricity preamplifier, Electronic & Computer Design World (电子产品世界), 21, pp. 52-53.
1780. ✍-李刚, 谌雅琴, 叶文宇 (2001) Design of 12-Channel Synchronization Sampling ECG. Yiqi Yibiao Xuebao (仪器仪表学报), **22**, pp. 97-98.
1781. ✍-Zhong Yu, Lan, Wang Jing-Mei (2000) Phase-shift PWM zero-voltage hich-speech SMPS. Chinese Journal of Scientific Instrumentation, z1, http://scholar.ilib.cn/abstract.aspx?A=yqyb2000z1046
1782. ✍-Li Gang, Lin Ling, Cao Yuzhen, Yu Xuemin (2000) A Study on Amplifier Regulated by D/AC for 12-Lead ECG. Chinese Journal of Scientific Instrument, (仪器仪表学报), 21, pp. 124-126.
1783. ✍-Li Gang, Yu Qi-lian, Yu Xue-min (2000) Two kinds of novel multi-channel bio-amplifier. Journal of Tianjin University Science and Technology (天津大学学报 自然科学与工程技术), 33, (5), pp. 648-651.
1784. ✍-Petrova G (1999) Introduction to signal and image processing. Submodule 2: Introduction to biomedical signal processing. Inter-University Centre for Education on Medical Radiation Physics and Engineering, TEMPUS S-JEP 09826, pp. 1-53.
1785. ✍-Vitranen J (1998) EEG combined with MEG and TMS in studies of human brain function. Dissertation for the degree Doctor of Technology, Helsinki University of technology
1786. ✍-Muller M, Wiesspeiner H, Hutten H (1995) Eye Writer. Biomedizinische Technik Band 40, Erganzungsband **2**, pp. 224-226.
1787. ✍-Julibio Ardigo (1994) Poligrafo computadorizado para sinais biomedicos. MS thesis,Universidade Federal de Santa Catarina, 80 pages
1788. ✍-Митев П (1993) Регистриране на евокирани ЕМГ сигнали посредством постояннотоков усилвател. Автоматика и информатика, 11-12, стр. 30-33.

Bazhyna A, Christov II, Gotchev A, Daskalov IK, Egiazarian K (2003) Powerline Interference Suppression in High-Resolution ECG, Computers in Cardiology, 30, pp. 561-564.

1789. ✍-Razzaq N, Salman M, Zaidi T (2016) An intelligent adaptive filter for elimination of power line interference from high resolution electrocardiogram. IEEE Access, 12 pages, http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7445148
1790. ✍- Benatti S, Milosevic B, Tomasini M, Farella E, Schonle P, Bunjaku P (2015) Multiple biopotentials acquisition system for wearable applications. Int. Conf. Biomedical Electronics and Devices, 12-15 Jan., Lisbon, Portugal, pp. 260-268
1791. 💻✍-Bhasin A, Jain A, Ghosh T (2014) Spectral analysis of ECG signal for detection of power line interference. Int. J. for Research in Applied Science & Engineering Technology, 2, (11), pp. 200-202, http://www.ijraset.com/fileserve.php?FID=1265
1792. ✍- Benatti S, Milosevic B, Casamassima F, Schonle P, Bunjaku P, Fateh S, Huang Q, Benini L (2014). EMG-based hand gesture recognition with flexible analog front end. IEEE Conf on Biomedical Circuits and Systems, 22-24 Oct., Lausanne, Switzerland, pp. 57-60
1793. ✍-Nicolas Ribas Mercau (2014) Characterization and handling of disturbances within electrocardiographic recordings of different origin. MS thesis, Institute of Biomedical Engineering, Technische Universität Dresden, 192 pages, http://upcommons.upc.edu/pfc/bitstream/2099.1/21684/4/Final_Project_Nicolas_Ribas_Mercau.pdf
1794. ✍-Subramanian B, Ramasamy A (2014) Performance comparison of electrocardiogram de-noising based on adaptive filter and gamma filter. Information (Japan), 17, (4), pp. 1285-1297.
1795. ✍-Galeotti L, Johannesen L, Vicente J (2013) Measurement of noise in ECG signals to improve automatic delineation. Computing in Cardiology, 40, pp. 511-514, ISSN: 2325-8861
1796. ✍-Schonle P, Schulthess F, Fateh S, Ulrich R, Huang F, Burger T, Huang Q (2013) A DC-connectable multi-channel biomedical data acquisition ASIC with mains frequency cancellation. European Solid State Device Research & Cirquits Conference, 16-20 September, Bucharest, Romania, pp. 149-152.

1797. *Razzaq Nauman, Butt Maryam, Salman Muhammad, Ali, Rahat (2013) Self tuned SSRLS filter for online tracking and removal of power line interference from electrocardiogram. Int. Conf. on Modelling, Identification & Control, 31 Aug – 2 Sept, Cairo Egypt, pp. 339-343*
1798. *Razzaq Nauman, Butt Maryam, Salman Muhammad, Ali, Rahat (2013) An intelligent adaptive filter for fast tracking and elimination of power line interference from ECG signal. IEEE Int. Symp. on Computer-Based Medical Systems, 20-22 June, Porto, Portugal, pp. 251-256*
1799. *Михов Георги (2013) Изследване и усъвършенстване на субтракционния метод за отстраняване на смущения от електрокардиографски сигнали. Дисертация за "Доктор на науките", Техн. Унив. – София, 270 стр.*
1800. *Manpreet Kaur (2012) Analysis and interpretation of ECG signals. PhD thesis, Sant Longowal Institute of Engineering and Technology, Longowal, Punjab India, 209 pages, http://ir.inflibnet.ac.in:8080/jspui/handle/10603/43995*
1801. *Johannesen L, Galeotti L (2012) Automatic ECG quality scoring methodology: mimicking human annotators. Physiological Measurement, 33, pp.1479-1489, ISSN 0967-3334*
1802. *Lehmann C, Reinstädtler J, Khawaja A (2011) Detection of power-line interferences in ECG signal using frequency-domain analysis. Computing in Cardiology, 38, pp. 821-824, ISSN:0276-6574*
1803. *Bhattacharya S (2009) Elimination of power line interference and its harmonics in ECG signals using adaptive Volterra filters Conf on Signal and Image Processing Applications. 19-20 September, Maharashtra, India, DOI: 10.1049/ic.2009.0176*
1804. *Mohd Najeb Bin Jamaludin (2007) Real-time implementation of twelve-lead automated electrocardiogram system measurement for QT dispersion analysis. ME Thesis, Universiti Teknologi Malaysia, pp. 1-149, http://eprints.utm.my/6400/1/MohdNajebJamaludinMFKE2007TTT.pdf*
1805. *Михов Г. (2006) Електронни устройства, системи и методи за обектно-ориентирана обработка на сигнали за потискане на смущения и идентифициране на полезни компоненти. Хабилитационен труд за научно звание професор, Технически университет - София, Специализиран Съвет по Електронна и Компютърна Техника.*
1806. *Olguín Daniel (2005) Adaptive digital filtering algorithms for the elimination of power line interference in electroencephalographic signals, Thesis, Instituto Tecnológico y de Estudios Superiores de Monterrey, Mexico.*
1807. *Dotsinsky I, Stoyanov T (2005) Power-line Interference cancellation in ECG signals, Biomedical Instrumentation & Technology, 39, pp. 155-162.*
1808. *Тодор В Стоянов (2004) Компютърна обработка и анализ на електрокардиограми. Дисертация за Доктор, БАН.*

Christov II, Iliev GL (2005) Public access defibrillation: Suppression of 16.7 Hz interference generated by the power supply of the railway systems, Biomedical Engineering Online, **4**, 16, http://www.biomedical-engineering-online.com/content/4/1/16

1809. *Михов Георги (2013) Изследване и усъвършенстване на субтракционния метод за отстраняване на смущения от електрокардиографски сигнали. Дисертация за "Доктор на науките", Техн. Унив. – София, 270 стр.*
1810. *David Royo Baquedano (2013) Suppression of narrowband interference generated by the power supply of the railway systems in public defibrillators devices. MS Thesis, Departmant of Telecommunication, TechnivalUniversity-Sofia, 69 pages*
1811. *Neycheva TD, Dobrev PD (2010) Integer coefficients comb filter for mains interference elimination. Annual Journal of Electronics, 4, (2), book 2, pp. 130-133.*
1812. *Neycheva T, Dobrev D, Mudrov N. (2009) High-Q bandpass comb filter for mains interference exrtraction. Bioautomation, 13, (4), 7-12.*
1813. *Púcik J, Cocherova E (2008) Analiza biosignalov. © Slovenska Technicka Universita v Bratislave, 121 pages,*
1814. *Michael Szalkowski (2008) An FPGA architecture design of a high performance adaptive notch filter. Thesis, Rochester Institute of Technology, Kate Gleason College of Engineering, 120 pages. https://ritdml.rit.edu/dspace/bitstream/1850/7773/1/MSzalkowskiThesis07-2008.pdf*
1815. *Schlimp CJ, Breiteneder M, Seifert J, Lederer W (2007) Interference of 16.7-Hz electromagnetic fields on measured electrocardiogram. Bioelectromagnetics, 28, (5), pp. 402-405.*
1816. *Púcik J, Ondrácek O, Lovás S (2006) Cislicova filtracia biomedicinskych signalov. 5 pages, http://www.researchgate.net/publication/234047556_slicov_filtrcia_biomedicnskych_signlov/file/9fcfd50e8f7cb7b66b.pdf*
1817. *Михов Г (2006) Електронни устройства, системи и методи за обектно-ориентирана обработка на сигнали за потискане на смущения и идентифициране на полезни компоненти. Хабилитационен труд за научно звание професор, Технически университет - София, Специализиран Съвет по Електронна и Компютърна Техника.*
1818. *Trigano A, Blandeau O, Dale C, Wong MF, Wiart J (2006) Clinical testing of cellular phone ringing interference with automated external defibrillators. Resuscitation, 71, (3), pp. 391-394.*

1819. *-Schlimp CJ, Breiteneder M, Lederer W (2006) Safety testing of automated external defibrillators with humans in electromagnetic fields and relevance for public access defibrillation. Academic Emergency Medicine, Letter to the Editor, 13, (8), pp. 907-908.*
1820. *-Fleischhackl R, Singer F, Nitsche W, Gamperl G, Roessler B, Arrich J, Fleischhackl S, Losert H, Sterz F, Mittlboeck M, Hoerauf K (2006) In reply. Academic Emergency Medicine, 13, (8), pp. 908 - 909.*
1821. *-Fleischhackl R, Singer F, Nitsche W, Gamperl G, Roessler B, Arrich J, Fleischhackl S, Losert H, Sterz F, Mittlboeck M, Hoerauf K (2006) Influence of electromagnetic fields on function of automated external defibrillators. Academic Emergency Medicine, 13, (1), pp. 1-6.*
1822. *-Dotsinsky I (2005) Suppression of AC railway power-line interference in ECG signals recorded by public access defibrillators, BioMedical Engineering OnLine, 4, 65. http://www.biomedical-engineering-online.com/content/4/1/65*
1823. *-Schlimp CJ, Breiteneder M, Lederer W (2005) Heightened awareness of safety aspects concerning public access defibrillation near high-voltage power lines with 16.7 Hz alternating current. Acta Anaesthesiologica Scandinavica, Letter to the editor, 49, (9), pp. 1396.*
1824. *-Jekova I, Krasteva V (2005) Subtraction of 16.67 Hz railroad interference from the electrocardiogram: application for automatic external defibrillators. Physiological measurement, 26, pp. 987-1003.*
1825. *-Dotsinsky I (2005) Suppression of AC railway power-line interference in ECG signals recorded by public access defibrillators. Electronics2005 21-23 September, Sozopol, book 4, pp. 3-8.*

Gómez-Herrero G, Jekova I, Krasteva V, Christov I, Gotchev A, Egiazarian K (2006) Relative estimation of the Karhunen-Loève transform basis functions for detection of ventricular ectopic beats. IEEE Computers in Cardiology, 33, pp. 569-572

1826. *-Mateo J, Torres AM, Aparicio A, Santos JL (2016 in press) An efficient method for ECG beat classification and correction of ectopic beats, Computers & Electrical Engineering, doi:10.1016/j.compeleceng.2015.12.015*
1827. *-Chandra BS, Sastry CS, Jana S (2015) Reliable resource-constrained telecardiology via compressive detection of anomalous ECG signals. Computers in Biology and Medicine, 66, pp. 144-153*
1828. *-Nabil D, Reguig FB (2015) Ectopic beats detection and correction methods: A review. Biomedical Signal Processing and Control, 18, pp. 228–244, ISSN: 1746-8094*
1829. *-Chandra BS, Sastry CS, Jana S (2014) Reliable low-cost telecardiology: High-sensitivity detection of ventricular beats using dictionaries. IEEE Int. Conf. on e-Health Networking, Applications and Services, 15-18 October, Natal, Brazil, pp. 305-310*
1830. *-Илиев И (2012) Анализ и обработка на електрокардиографски сигнал. Глава 3, В учебник: Илиев И, Табаков С, Дойчев Д, Анализ и обработка на биомедицински сигнали. Издателство на ТУ-София, ISBN: 978-619-167-012-3*
1831. *-Zidelmal Z, Amirou A., Belouchrani A (2012) Heartbeat classification using support vector machines (svms) with an embedded reject option. Int. J. of Pattern Recognition and Artificial Intelligence, 26, (1), DOI: 10.1142/S0218001412500012, ISSN: 0218-0014*
1832. *-Zahia Zidelmal (2012) Reconnaissance d'arythmies cardiaques par support vector machines (SVMs). PhD Thesis, Faculté de Génic Elecrique et d'Informatique, Université Mouloud Mammeri, Tizi-Ouzou, Algérie, 145 pages, http://www.ummto.dz/IMG/pdf/These-Zidelmal.pdf*
1833. *-Иво Илиев (2012) Методи, устройства и системи за телеметрично мониториране на виокорискови пациенти със сърдечносъдови заболявания. Дисертация за "Доктор на науките", Техн. Унив. – София, 199 стр.*
1834. *-Mateo J, Torres A, Rieta JJ (2011) An efficient method for ectopic beats cancellation based on radial basis function. Ann. Int. Conf. of IEEE Engineering in Medicine and Biology Society, 30 August - 3 September, Boston, USA, art. no. 6091756, pp. 6947-6950, ISBN: 978-142444121-1.*
1835. *-Zidelmal Z, Amirou A., Belouchrani A (2011) Using Support Vector Machines (SVMs) with asymmetricaldouble hinge loss for ectopic heartbeat detection. Journal of Association for the Advancement of Modeling and Simulation Techniques in Enterprises (AMSE), 18, pp. 1-15, ISSN: 1240-4543.*
1836. *-Li Yanjun, Yan Hung, Yang Xianglin (2010) ECG waveform parameters in screening based on heart beat detection. Chinese Journal of Biomedical Engineering, 2, pp. 288-291, http://www.cqvip.com/qk/90574x/201002/33845648.html .*
1837. *-Hamadicharef B, Ifeachor EC (2010) Biopattern FP6 Project: A Bibliometric Analysis. In: Biopattern network of Excellence. Computational Intelligence for Biopattern Analysis in Support of eHealthcare, http://www.tech.plymouth.ac.uk/spmc/biopattern/Publications.html*
1838. *-Mihov S, Levkov C, Mihov G (2009) Algorithm for optimal linear transformation of 4 Holter leads for emphasizing difference between typical and atypical QRS complexes". XLIV Int. Conf on Information, Communication and Energy Systems and Technologies , June 25-27, V. Tarnovo, B. 1, pp. 403-406*
1839. *-Li YanJun, Yan Hong, Wang ZengLi, Yang XiangLin (2009) Study of electrocardio-waveform variability. Science in China: Life Sciences, 39, (12), pp. 1181-1187, doi: 10.1360/052008-318, ISSN: 1006-9259*
1840. *-Zidelmal Z, Amirou A, Belouchrani A (2009) Using support vector machines (SVMS) with reject option for heartbeat classification. Int. Conf. on Bio-inspired Systems and Signal Processing, Porto, Portugal, 14-17 January, pp. 204-210.*

1841. *Серафим Табаков (2009) Ритъмен анализ на сърдечната дейност, приложим в автономни системи за мониториране. Дисертация за "Доктор", Техн. Унив. – София, 111 стр.*
1842. *Levkov C, Mihov S (2008) Multilead signal processing by linear transformation to derive an ECG lead where the atypical beats are enhanced: Matlab implementation. Proceedings of the Technical University – Sofia, vol. 58, book 2, pp. 14-20, ISSN 1311-0829.*

Atanassova E, Daskalov IK, Dotsinsky IA, Christov II, Atanassova A (1995) Non-Invasive Electrogastrography. Part 2: Human Electrogastrogram, *Archives of Physiology and Biochemistry*, 103, 4, pp. 436-441.

1843. *Yu-Min Huang (2011) Autonomic function mediates sleep-wake-related changes in gastric myoelectrical activity in rats. PhD Thesis, Graduate Institute of Medical Sciences, Tzu Chi University, Taiwan, 190 pages, http://www.etd.library.tcu.edu.tw/ETD-db/ETD-search-c/view_etd?URN=etd-0725111-164842 .*
1844. *Ye-Lin Y, Garcia-Casado J, Bueno-Barrachina JM, Guimera-Tomas J, Prats-Boluda G, Martinez-de-Juan JL (2010) Characterization and enhancemeng of non-invasive recordings of intestinal myoelectrical activity. pp. 287-310, In: New Developments in Biomedical Engineering, Ed: Campolo D, 714 pages.*
1845. *Ye-Lin Y, Garcia-Casado J, Martinez-De-Juan JL, Prats-Boluda G, Ponce JL (2010) The detection of intestinal spike activity on surface electroenterograms. Physics in Medicine and Biology, 55, (3), pp. 663-680.*
1846. *- Andrei Irimia (2007) Multivariate signal processing and theoretical modeling for the study of gastrointestinal bioelectromagnetism. PhD thesis, Vanderbilt University, Nashville, Tennessee,USA, 180 pages, http://etd.library.vanderbilt.edu/available/etd-11202007-162501/unrestricted/dissertation.pdf*
1847. *Peter Staisch (2007) Veränderungen des Elektrogastrogramms (EGG) bei experimentell induzierter Magenentleerungsbeschleunigung und –verlangsamung. Dissertation zur Erlangung des Grades eines Doktors der Medizin. Medizinischen Klinik des Florence Nightingale Krankenhauses, Düsseldorf Kaiserswerth, 47 pages, http://deposit.ddb.de/cgi-bin/dokserv?idn=994614187&dok_var=d1&dok_ext=pdf&filename=994614187.pdf*
1848. *Clinical Policy Bulletins (2007) Gastrointestinal Function: Selected Tests, No 0396, Aetna Inc., http://www.aetna.com/cpb/medical/data/300_399/0396.html*
1849. *Martina Gradinger (2006) Die autonome Neuropathie des Magens bei terminalerNiereninsuffizienz –Stellenwert der Elektrogastrographie als Diagnostikum. Dissertation zur Erlangung des Grades eines Doktors der Medizin der Medizinischen Fakultät der Universität des Saarlandes, http://scidok.sulb.uni-saarland.de/volltexte/2007/1067/pdf/Dissertation_Martina_Gradinger.pdf*
1850. *Irimia A, Richards WO Bradshaw AL (2006) Magnetogastrographic detection of gastric electrical response activity in humans. Physics in Medicine and Biology, 51, pp. 1347-1360.*
1851. *Huang Yu Min (2005) Effect of sleep and food intake on gastric myoelectrical activity: Establishment of Animal model for gastric myoelectrical recording. PhD thesis, 碩士論文, Taiwan, www.etd.library.tcu.edu.tw/.../ETD-search/getfile?URN=etd-0817105-163942&filename=etd-0817105-163942.pdf*
1852. *Aetna Inc. (2004) Electrogastrography/Colonic Motility Studies, Clinical Policy Bulletins, pp. 1-4, http://www.aetna.com/cpb/data/CPBA0396.html*
1853. *Merritt AM (2003) The equine stomach: A personal perspective (1963-2003), In: 49th Annual convention of the American Association of Equine Practitioners, New Orleans, Louisiana (Ed.), pp. 1-33, http://www.ivis.org/proceedings/AAEP/2003/merritt/ivis.pdf*
1854. *Romanski KW (2002) Influence of various feeding conditions, the migrating myoelectric complex and cholinergic drugs on antral slow waves in sheep. Archives of Animal Nutrition - Archiv fur Tierernahrung, 56, (6), pp. 393-408.*
1855. *Krammer HJ, Singer MV (2000) Neurogastroenterology: from the basics to the clinics. Eds: Krammer HJ, Singer MV University of Heidelberg, Germany, 800 pages.*
1856. *Yolanda Real Matrtínez (1999) Electrogastrografía en sujetos: Reproductibilidad de la tecnica. Tesis Doctoral, Facultad de Medicina, Universidad Complutence de Madrid, 171 pages, http://eprints.ucm.es/tesis/19972000/D/0/D0122801.pdf.*
1857. *Rim Park B, Sun Kim M, Young Lee M, Ki Kim Y, Chei Choi S, Ho Nah Y (1999) Effects of galvanic stimulation of the mastoid process on the gastric motility induced by caloric stimulation. Auris Nasus Larynx **26** (3), pp. 263-268.*
1858. *Smith JTL (1997) Methods for assessing the effects of drugs on gastrointestinal function in patients and healthy volunteers. Journal of Clinical Pharmacology, **37**, (1), SS, pp. S29-S33.*

Jekova I, Krasteva V, Christov I, Abächerli R (2012) Threshold-based system for noise detection in multilead ECG recordings. Physiological Measurement, 33, pp. 1473-1477.

1859. *Diogo Barreiro Nunes (2016) Identification and removal of noise in cardiac signals (CARDIO-NOISE). MS thesis, Faculty of Sciences and Technology, University of Coimbra, Portugal, 71 pages, https://estudogeral.sib.uc.pt/jspui/bitstream/10316/31240/1/Identification%20and%20Removal%20of%20Noise%20in%20Cardiac%20Signals.pdf*
1860. *Gambarotta N, Aletti F, Baselli G, Ferrario M (2016) A review of methods for the signal quality assessment to improve reliability of heart rate and blood pressures derived parameters. Medical & Biological Engineering & Computing, 11 pages, http://link.springer.com/article/10.1007/s11517-016-1453-5 .*

1861. *Morgado E, Alonso-Atienza F, Santiago-Mozos R, Barquero-Pérez Ó, Silva I, Ramos J, Mark R (2015) Quality estimation of the electrocardiogram using cross-correlation among leads. Biomedical Engineering online, 14, 59, 19 pages.*
1862. *Bessmeltsev V, Katasonov D (2015) A method of detecting the distorted areas of the electrocardiogram based on support vector machine. Int. Siberian Conf. on Control and Communications, 6 pages, http://ieee.tpu.ru/musor/sbornik/papers/173pp.pdf*
1863. *Naseri H, Homaeinezhad MR (2015) Electrocardiogram signal quality assessment using an artificially reconstructed target lead. Computer Methods in Biomechanics and Biomedical Engineering, 18, (10), pp. 1126-1141.*
1864. *Akib Amir Uddin (2014) Development of an ambulatory wearable sensor system for behavioural neurocardiac training. MS thesis, University of Toronto, Canada, 286 pages*
1865. *Patrick Quesnel (2014) Biosignal quality analysis in ambulatory electrocardiograms to enhance detection of myocardial ischemia. MS thesis, Carleton University Ottawa, Ontario, 118 pages, https://curve.carleton.ca/system/files/theses/32077.pdf*
1866. *Qiao Li, Rajagopalan C, Clifford GD (2014) A machine learning approach to multi-level ECG signal quality classification. Computer Methods and Programs in Biomedicine, 117, (3), pp. 435-447*
1867. *Hopenfeld B (2014) Sinus rhythm heart rate estimation in high noise environments by application of a priori RR interval statistics. Journal of Medical Engineering & Technology, 11 pages, doi: 10.3109/03091902.2014.932857*
1868. *Nicolás A. Ribas Mercau, (2014), Characterization and handling of disturbances within electrocardiographic recordings of different origin, MS Thesis, Institute of Biomedical Engineering (IBMT), Technical University Dresden, Germany, 192 pages, http://upcommons.upc.edu/pfc/bitstream/2099.1/21684/4/Final_Project_Nicolas_Ribas_Mercau.pdf*
1869. *Zhang AH, Kou MC, Diao C, Lin DM (2014) Quality assessment of ECG signal based on wavelet energy ratio and wavelet energy entropy. Int. Conf. on Sensors Instrument and Information Technology, 18-19 Jan., Guangzhou, China, In: Applied Mechanics and Materials, vol. 530-531, pp. 577-580.*
1870. *Linda Rattfält (2013) Smartware electrodes for ECG measurements - Design, evaluation and signal processing. PhD thesis, Linköping University, Sweden, 106 pages, http://www.diva-portal.org/smash/get/diva2:660168/FULLTEXT01.pdf*
1871. *Yu Chen, Yi Xin, Weituo Hao, Lingzhi Kang, Dongqin Cai (3013) ECG quality evaluation based on wavelet multi-scale entropy. J. of Theoretical and Applied Information Technology, 48, (1), pp. 254-259, ISSN: 1992-8645*
1872. *Nizami S, Green JR, McGregor C (2013) Implementation of artifact detection in critical care: A methodological review. IEEE Reviews in Biomedical Engineering, 6, pp. 127-142, ISSN: 1937-3333*
1873. *Clifford G, Moody G, (2012), Signal quality in cardiorespiratory monitoring. Physiological Measurement, 33(9), (Editorial), 6 pages, ISSN 0967-3334, http://iopscience.iop.org/0967-3334/33/9/E01*

Daskalov IK, Christov II, Dotsinsky IA (1997) Low frequency distortions of the electrocardiogram, *Med. Eng. & Phys.*, **19,** 4, pp. 387-393.

1874. *Илиев И, (2012) Анализ и обработка на електрокардиографски сигнал. Глава 3, В учебник: Илиев И, Табаков С, Дойчев Д, Анализ и обработка на биомедицински сигнали. Издателство на ТУ-София, ISBN: 978-619-167-012-3*
1875. *Vale-Cardoso AS, Moreira MG, Guimarães HN (2012) An introduction to hardware and methods for biopotential measurements: A review. Recent Patents on Biomedical Engineering, 5, (2), pp. 105-113, ISSN: 1874-7647*
1876. *Spinelli E, Haberman M, García P, Guerrero F (2012) A capacitive electrode with fast recovery feature. Physiological Measurment, 33, pp. 1277–1288, ISSN: 0967-3334*
1877. *Иво Илиев (2012) Методи, устройства и системи за телеметрично мониториране на виокорискови пациенти със сърдечносъдови заболявания. Дисертация за "Доктор на науките", Техн. Унив. – София, 199 стр.*
1878. *Agustín Márquez-Espinoza, José G. Mercado-Rojas, Gabriel Vega-Martínez, Carlos Alvarado-Serrano (2011) ECG ambulatory system for long term monitoring of heart rate dynamics. chapter 10, pp. 201-226, In : LabVIEW – Practical Applications and Solutions, Ed: Folea Silviu, © InTech, 472 pages, ISBN: 978-953-307-6508.*
1879. *Adriano Silva Vale Cardoso (2010) Instrumentaçẫo e metodologias de mediçẫo de biopotenciais. PhD Thesis, Universidade Federal de Minas Gerais, Brasilia, 141 pages, http://www.cpdee.ufmg.br/defesas/213D.PDF*
1880. *Miranda-Cid A, Alvarado-Serrano C (2010) An ECG ambulatory system with mobile embedded architecture for ST-segment analysis. IEEE Annual Int. Conf. on Engineering in Medicine and Biology Society, 31 September-4 October, Buenos Aires, Argentina, DOI: 10.1109/IEMBS.2010.5626165, pp. 78-81*
1881. *Filomena E, Aldonate J, Rubén A, Spinelli E (2009) Revisión sobre nuevas tendencias en la adquisición de biopotenciales. XVII Congreso Argentino de Bioingenieria, VI Jornadas de Ingenieria Clinica, 14-16 Octubre, Rosario, Argentina, pp 148-151.*
1882. *Серафим Табаков (2009) Ритъмен анализ на сърдечната дейност, приложим в автономни системи за мониториране. Дисертация за "Доктор", Техн. Унив. – София, 111 стр.*

1883. *-Mohd Najeb Bin Jamaludin (2007) Real-time implementation of twelve-lead automated electrocardiogram system measurement for QT dispersion analysis. ME Thesis, Universiti Teknologi Malaysia, pp.1-149, http://eprints.utm.my/6400/1/MohdNajebJamaludinMFKE2007TTT.pdf*
1884. *-Abačherli R, Hornaff S, Leber R, Schmid H-J, Felblinger, J (2006) Improving automatic analysis of the electrocardiogram acquired during magnetic resonance imaging using magnetic field gradient artefact suppression. Journal of Electrocardiology, 39, (4), pp. s134-s139.*
1885. *-Jekova I, Stoyanov T (2003) Measurement of electrocardiogram parameters. Implementation in classification systems, ed. Technical University – Sofia, Twelfth International Conference Electronics 2003, Sozopol, 24-26 September, book 1, pp. 31-36.*
1886. *-Swope JA (2002) Dynamic modeling and knowledge discovery from biological data and the case study of heart rate variability analysis, PhD in Information Sciences, University of Otago, Dunedin, New Zeeland*

Christov I, Bortolan G, Daskalov I (2001) Automatic detection of atrial fibrillation and flutter by wave rectification method. *Jour. of Med. Eng. & Tech.*, 25, 5, pp. 217-221.

1887. *-Ródenas J, García M, Alcaraz R, Rieta JJ (2015) Wavelet entropy automatically detects episodes of atrial fibrillation from single-lead electrocardiograms. Entropy, 17, pp. 6179-6199*
1888. *-Hernandez-Silveira MA, Ang SS, Burdett A (2014) Challenges and trade-offs involved in designing embedded algorithms for a low-power wearable wireless monitor. Int. Conf. on Biomedical Engineering, 4-7 December, Singapore, 43, pp 416-419*
1889. *-Lee J, McManus DD, Bourrell P, Sörnmo L, Chon KH (2013) Atrial flutter and atrial tachycardia detection using Bayesian approach with high resolution time–frequency spectrum from ECG recordings. Biomedical Signal Processing and Control, 8, (6), pp. 992-999.*
1890. *-Nekane Larburu Rubio (2011) Comparative study of algortihms for atrial fibrillation detection. MS Thesis, Publica Universitas Navarrensis, Pamplona, Spain, 142 pages, http://academica-e.unavarra.es/bitstream/handle/2454/4136/577570.pdf?sequence=1*
1891. *- Kors JA, van Herpen G (2010) Computer Analysis of the Electrocardiogram, pp. 1721-1765, In: Compehensive Electrocardiology, Eds: Camm, Janse MG, Kligfield P, Macfarlane PW, Pahlm O, van Oosterom A, © Springer, 4 volumes, 2291 pages*
1892. *-Michele Triventi (2010) Soluzioni tecnologiche per il monitoraggio di pazienti con patologie cardiovascolari. Tesi di Dottorato, Dipartimento di Elettronica Applicata, Università degli Studi Roma, 106 pages*
1893. *- Westby M, Davis S, Bullock I, Miller P, Cooper P, Turnbull N, Beal R, Braine M, Fear J, Goodwin M, Grünewald R, Jelen P Pawelec J, Petkar S, Pitcher D, Pottle A, Rogers G, Swann G (2010) Transient loss of consciousness ('blackouts') management in adults and young people. © London: National Clinical Guideline Centre for Acute and Chronic Conditions, Royal College of Physicians.*
1894. *-Apiwat Lek-Uthai (2009) Automatische Erkennung von Vorhoffimmern in Echtzeit. PhD Thesis, Elektrotechnik und Informationstechnik der Universität Karlsruhe, 162 pages, http://digbib.ubka.uni-karlsruhe.de/volltexte/documents/946003*
1895. *-Frantzidis CA, Dafli EL, Malindretos PM, Salonikiou AD, Vegoudakis KI, Kostelidou TN, Anastasiadou CI, Bamidis PD (2008) Atrial fibrillation detection based on estethoscope, wavelet decomposition and approximate entropy. European Symp. on BioMedical Engineering, 19-21 June,q Patras, Greece, CD version, 5 page*
1896. *-Dotsinsky I. (2007) Atrial wave detection algorithm for discovery of some rhythm abnormalities, Phys. Meas., 28, pp. 595-610.*
1897. *-Hoppe BL, Kahn, AM, Feld GK, Hassankhani A, Narayan SM (2005) Separating atrial flutter from atrial fibrillation with apparent electrocardiographic organization using dominant and narrow F-wave spectra. J. of the Amer. College of Card., 46, (11), pp. 2079-2087.*
1898. *-Kao T, Su Y-Y, Lu C-C, Tai C-T, Chen S-A, Lin Y-C, Tso H-W (2005) Differentiation of atrial flutter and atrial fibrillation from surface electrocardiogram using nonlinear analysis. J. of Med. and Biol. Eng., 25, (3), pp. 117-122.*
1899. *-Medische encyclopedie (2005) Boezemfladderen © Medic Info, http://www.medicinfo.nl/Externe%20Modules/ISMedischeEncyclopedieHTML/Factsheet.aspx?id={e2a41546-8fb6-48e1-8494-0a37e8abdc1f}&founder=*

Dotsinsky I, Christov I (2002) Power-line interference subtraction from the electrocardiogram in the presence of electromyogram artifacts. Electrotechnika & Electronica E+E, **1-2**, pp. 18-21.

1900. *-Mihov J (2013) Complex filters for the subtraction procedure for power–line interference removal from ECG. Int. J. of Reasoning-based Intelligent Systems, 5, pp. 146-153.*
1901. *-Михов Георги (2013) Изследване и усъвършенстване на субтракционния метод за отстраняване на смущения от електрокардиографски сигналилл Дисертация за "Доктор на науките", Техн. Унив. – София, 270 стр.*
1902. *-Михов Г (2006) Електронни устройства, системи и методи за обектно-ориентирана обработка на сигнали за потискане на смущения и идентифициране на полезни компоненти. Хабилитационен труд за*

научно звание професор, Технически университет - София, Специализиран Съвет по Електронна и Компютърна Техника.

1903. -Mihov G (2006) Investigation of the linearity criterion in the subtraction method for removing powerline interference from ECG. Fifteenth International Scientific and Applied Science Conference Electronics 2006, Sozopol, 20-22 September, book 3, pp. 110-116.

1904. -Gotchev A (2006) Spline-based techniques for signal and image interpolation and decimation, Lectures, Tampere University of Technology, Tampere, Finland, http://www.cs.tut.fi/~agotchev/DIPII/lecture3.pdf.

1905. -Gotchev, A (2003) Spline and wavelet based techniques for signal and image processing, Doctor of Technology Thesis, Tampere University of Technology, Tampere, Finland, pub. No 429, 191 pages.

Dotsinsky, IA, Christov, II (1998) Mains interference subtraction from ECG in case of accompanying tremor, ed. Technical University – Sofia, Seventh International Conference Electronics 98, Sozopol, 23-25 September, pp. 16-20.

1906. -Михов Георги (2013) Изследване и усъвършенстване на субтракционния метод за отстраняване на смущения от електрокардиографски сигналилл Дисертация за "Доктор на науките", Техн. Унив. – София, 270 стр.

1907. -Mihov GS (2012) Subtraction method for powerline removal from ECG in case of amplitude deviation. Annual Journal of Electronics, 6, (1), pp. 4-7, ISSN: 1314-0078.

1908. -Иво Илиев (2012) Методи, устройства и системи за телеметрично мониториране на виокорискови пациенти със сърдечносъдови заболявания. Дисертация за "Доктор на науките", Техн. Унив. – София, 199 стр.

1909. -Михов Г (2006) Електронни устройства, системи и методи за обектно-ориентирана обработка на сигнали за потискане на смущения и идентифициране на полезни компоненти. Хабилитационен труд за научно звание професор, Технически университет - София, Специализиран Съвет по Електронна и Компютърна Техника.

1910. -Галидия Иванова Петрова (2000) Методи и електронни устройства за импеданс-кардиография. Дисертация за научна степен Доктор. Техн. Ун. София, филиал Пловдив.

1911. -Владислав Борисов Колев (2000) Методи за обработка и анализ на електрогастрограми. Дисертация за научна степен Доктор. БАН

Kontodimopoulos N, Pallikarakis N, Christov I, Daskalov I (1998) In-house development of test equipment for quality control and training. Case study: a prototype ECG simulator-tester. *Med. Eng. & Phys.*, **20**, 10, pp. 717-721.

1912. -Franco GA, Jaramillo D, Barrenech JG (2015) Modelo de capacitación de tecnología biomédica para clínicas y hospitales de tercer nivel, enfocado en personal asistencial. Revista Ingeniería Biomédica, 9, (18), pp. 139-144

1913. -Wang L, Xu L, Zhao D, Yao Y, Song D (2015) FPGA-based design and implementation of arterial pulse wave generator using piecewise Gaussian-cosine fitting. Computers in Biology and Medicine, 59, pp. 142-151.

1914. - Marsousi M, Alirezaie J, Umapathy K (2013) A flexible approach for simulating physiological signals. Physiological Measurement, 34, (6), pp. 695-712.

1915. -de Lucena (2011) ECG simulator for testing and servicing cardiac monitors and electrocardiographs. 9th Int Congess on Electrical Metrology, 27-30 September, Natal, Brazil, 4 pages, http://limcserver.dee.ufcg.edu.br/metrologia_2011/imekotc4/91175.pdf .

1916. -Farkas L, Tóth P (2010) SIM-02 Univerzális kardiológiai szimulátor. In: Az EKG szerepe napjainkban, Health Info Online, http://www.egeszsegugy.info/friss_hirek/az-ekg-szerepe-napjainkban

1917. -Илиев И, Табаков С (2008) 12-канален мултифункционален симулатор на електрокардиографски сигнали. Електротехника и Електоника Е+Е, 7-8, стр. 36-40.

1918. -Ya-Ting Tsao (2008) Autonomic nervous system (ANS). Biomarker investigation based on electrocardiogram (ECG). MS Thesis, Institute of Medical Informatics, 85 pages.

1919. -Martínez AE, Rossi E, Nicola Siri L (2007) Microprocessor-based simulator of surface ECG signals. 16th Argentine Bioengineering Congress and the 5th Conference of Clinical Engineering, Journal of Physics: Conference Series 90, doi:10.1088/1742-6596/90/1/012030, pp. 1-7.

1920. -Lin TH, Ko TF, Tsao YT, Shen TW (2006) A multiple-functional ECG simulator based on LABVIEW program. International Symposium on Biomedical Engineering, 14-16 December, pp. 82-85, Taiwan,http://www.etd.library.tcu.edu.tw/ETD-db/ETD-search-c/getfile?URN=etd-0806108-173301&filename=etd-0806108-173301.pdf

1921. -Mudrov Tz, Krasteva V, Jekova I (2004) Microcontroller-based ECG simulator prototype, Thirteen International Scientific and Applied Science Conference Electronics 2004, Sozopol, 22-24 September, pp. 86-91.

1922. -Jekova I, Cansell A, Dotsinsky I, (2001) Noise sensitivity of three surface ECG fibrillation detection algorithms, Physiological Measurement, 22, (2), pp. 287-297.

1923. -Jekova I (2000) Comparison of five algorithms for the detection of ventricular fibrillation from the surface ECG, Physiological Measurement, 21, (4), pp. 429-439.

Dotsinsky IA, Christov II, Levkov C, Daskalov, IK (1985) A microprocessor - electrocardiograph, *Med. & Biol. Eng. & Comp.*, **23**, pp. 209-212.

1924. *Spinelli E, Haberman M, García P, Guerrero F (2012) A capacitive electrode with fast recovery feature. Physiological Measurment, 33, pp. 1277–1288, ISSN: 0967-3334*
1925. *Thomas Werner Degen (2011) Portable devices for mobile health monitoring. Dr Sci Thesis, Eidgenössische Technische Hochschule Zürich, 161 pages, http://e-collection.library.ethz.ch/eserv/eth:2934/eth-2934-02.pdf*
1926. *Серафим Табаков (2009) Ритъмен анализ на сърдечната дейност, приложим в автономни системи за мониториране. Дисертация за "Доктор", Техн. Унив. – София, 111 стр.*
1927. *Даниел Цветанов (2006) Безжично предаване на биомедицински сигнали, Дисертация за Доктор, Технически университет – София.*
1928. *Pawan M, Gaikwad K (2005) Development of a portable ECG and pulse oximeter. Synopsis Report, Department of Electronics, Shivaji University, Kolhapur, India, pp. 1-11, http://www.rkkamat.in/pawan.pdf*
1929. *What do you know about first microprocessor Electrocardiograph news? (2005) www.ecg-77.info/ecg/first-microprocessor-electrocardiograph.html*
1930. *Nikos Frangoulis (1998) Developing computer-controlled ECG device. Department of Electronics and Computer Science, Physics Department, University of Patras, 87 pages, http://www.ellab.physics.upatras.gr/PersonalPages/NFRAG/files/E2-thesis.pdf*
1931. *Войслав Василев Луканов (1992) Обработка на сигнала в системите за продължително изследване на електрокардиограмите. Дисертация КТН, Технически университет, София.*
1932. *Владимир Петров Пунджев (1988) Автоматичен анализ на сигнала в микропроцесорни електрокардиографи. Дисертация КТН, ВМЕИ - София.*
1933. *- Martinez ABE, Suarez JV (1986) Microcomputadora modular para aplicaciones biomedicas. Project No 074921, Departmento de Ingenieria Electrica, Universidad Autonoma Metropolitana-Iztapalapa, 138 pages, http://148.206.53.231/UAM8352.PDF*

Доцински И, Христов И, Левков Ч, Даскалов И (1984) Микропроцесорен електрокардиограф. Автоматизация на производството и управлението, бюлетин, кн. **2**, стр. 4-7.

1934. *Владимир Петров Пунджев (1988) Автоматичен анализ на сигнала в микропроцесорни електрокардиографи. Дисертация КТН, ВМЕИ - София.*

Bortolan G, Christov I (2001) Myocardial infarction and ischemia characterization from T-loop Morphology in VCG, *IEEE Comp*uters i*n Cardiology, **28**, pp. 633-636.*

1935. *Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*
1936. *Vozda M, Cerny M (2015) Methods for derivation of orthogonal leads from 12-lead electrocardiogram: A review. Biomedical Signal Processing and Control, 19, pp, 23-34.*
1937. *Correa R, Arini PD, Correa LS, Valentinuzzi M, Laciar E (2014) Novel technique for ST-T interval characterization in patients with acute myocardial ischemia Computers in Biology and Medicine, 50, (1), pp. 49–55*
1938. *Bonomini MP, Corizzo SJ, Laguna P, Arini P (2014) 2D ECG differences in frontal vs preferential planes inpatients referred for percutaneous transluminal coronary angioplasty. Biomedical Signal Processing and Control, 11, pp. 97–106.*
1939. *Arini PD, Baglivo FH, Martínez JP, Laguna P (2014) Evaluation of ventricular repolarization dispersion during acute myocardial ischemia: spatial and temporal ECG indices. Medical and Biological Engineering & Computing, 52, pp. 375-391.*
1940. *Hui Yang, Bukkapatnam STS, Trung Le, Komandnri R (2012) Identification of myocardial infarction (MI) using spatio-temporal heart dynamics. Medical Engineering & Physics, 34, (4), pp. 485-497, ISSN: 1350-4533.*
1941. *Huang C-S, Ko L-W, Lu S-W, Chen S-A, Lin C-T (2011) A vectorcardiogram-based classification system for the detection of Myocardial infarction. Ann. Int. Conf. of IEEE Engineering in Medicine and Biology Society, 30 August - 3 September, Boston, USA, art. no. 6090220, pp. 973-976, ISBN: 978-142444121-1.*
1942. *Hui Yang (2011) Multiscale recurrence quantification analysis of spatial cardiac vectorcardiogram signals. IEEE Transactions on Biomedical Engineering, 58, (2), pp. 339-347.*
1943. *Hui Yang (2010) Multiscale recurrence analysis of complex physiological rhythmic dynamics. Industrial Engineering Research Conf. 6 pages, http://search.proquest.com/docview/734584508/fulltextPDF/BD6F0DC8F374738PQ/84?accountid=26415*
1944. *Janousek O, Kolarova J, Novakova M, Provaznik (2010) Three-dimensional electrogram in spherical coordinates: application to ischemia analysis. Physiological Research, 59, (1), pp. S51-S58.*
1945. *Hui Yang (2009) Nonlinear stochastic modeling and analysis of cardiovascular system dynamics – diagnostic and prognostic applications. PhD Thesis, Faculty of theGraduate College, Oklahoma State University, USA, 212 pages, http://digital.library.okstate.edu/etd/Yang_okstate_0664D_10167.pdf*
1946. *Huang Yan, Li Chuan-Yong (2006) Principle and application advances of 3D-electrocardiogram. International Journal of Biomedical Engineering, 29, (3), pp. 167-169.*

Jekova I, Krasteva V, Ménétré S, Stoyanov T, Christov I, Fleischhackl R, Schmid J-J, Didon J-P (2009) Bench study of the accuracy of a commercial AED arrhythmia analysis algorithm in the presence of electromagnetic interference. Physiological Measurement, 30, pp. 695-705.

1947. *Xiyu Zhou, Joon Lim (2015) Improved ventricular fibrillation/tachycardia detection using NEWFM for automated external defibrillators, Int. J. of Bio-Science and Bio-Technology, 7, (3), pp.33-42, http://www.sersc.org/journals/IJBSBT/vol7_no3/4.pdf*
1948. *Xiyu Zhou, Joon Lim (2015) A new ventricular fibrillation/tachycardia detection algorithm for shockable rhythm detection, Advanced Science and Technology Letters, 91, (6), pp.113-116, http://dx.doi.org/10.14257/astl.2015.91.24*
1949. *- Malamed SF, Orr DL, (2014), In: Medical Emergencies in the Dental Office: Seventh Edition, Publisher: Elsevier Inc., ISBN: 978-032317122-9, 550 pages; N284.*
1950. *Chen B, Wang K, Wang J, Li Y (2012) Novel ventricular fibrillation/tachycardia detection algorithms used for automated external defibrillators. Recent Patents on Engineering, 6, (3), pp. 217 – 225. **ISSN:** 1872-2121*
1951. *Yeung J, Okamoto D, Soar J, Perkins G D (2011) AED training and its impact on skill acquisition, retention and performance – A systematic review of alternative training methods. Resuscitation, 82, (6), pp. 657-664, ISSN: 0300-9572.*
1952. *Gary S. Dorfman (2011) AED, drug side effects, epilepsy diagnosis. Lecture 1/11, Course in: Computational Techniques for Analyzing Clinical Data, January – March University of Cornell, USA, http://www.cs.cornell.edu/courses/cs5540/2010sp/links.html*
1953. *Neycheva TD, Dobrev PD (2010) Integer coefficients comb filter for mains interference elimination. Annual Journal of Electronics, 4, (2), book 2, pp. 130-133.*
1954. *Emran M Abu Anas, Soo Y Lee, Md K Hasan (2010) Sequential algorithm for life threatening cardiac pathologies detection based on mean signal strength and EMD functions. Biomedical Engineering Online, 9, 43, http://www.biomedical-engineering-online.com/content/9/1/43*
1955. *Aramendi E, Irusta U, Pastor E , Bodegas A, Benito F (2010) ECG spectral and morphological parameters reviewed and updated to detect adult and paediatric life-threatening arrhythmia. Physiological Measurement, 31, (6), 749*
1956. *Tarkin JM, Hadjiloizou N, Kaddoura S, Collinson J (2010) Variable presentation of ventricular tachycardia-like electrocardiographic artifacts, Journal of Electrocardiology, 43, (6), pp. 691-693*
1957. *Neycheva T, Dobrev D, Mudrov N (2009) High-Q bandpass comb filter for mains interference exrtraction. Bioautomation, 13, (4), 7-12.*

Bazhyna A, Gotchev A, Christov II, Daskalov IK, Egiazarian K (2004) Beat-to-beat noise removal in noninvasive His-bundle electrocardiogram. *Med. & Biol. Eng. & Comp,* **42**, 5, pp. 712-720.

1958. *Михов Георги (2013) Изследване и усъвършенстване на субтракционния метод за отстраняване на смущения от електрокардиографски сигнали. Дисертация за "Доктор на науките", Техн. Унив. – София, 270 стр.*
1959. *Seddighi AS, Golzan SM, Seddighi A, Zali AR, Afaghi V (2011) Developing a bedside software for digitizing paper based medical data in intensive care settings. Global Journal of Health Science, 3, (1), pp. 9-18, ISSN: 1916-9736.*
1960. *Shin HS, Lee C, Lee M (2010) Ideal filtering approach on DCT domain for biomedical signals: Index blocked DCT filtering method (IB-DCTFM).* Journal of Medical Systems*, 34, 4, pp. 741-753.*
1961. *Hang Sik Shin, Chungkeun Lee, Myoungho Lee (2009) Ideal filtering approach on DCT domain for biomedical signals: Index blocked DCT filtering method. Journal of Medical Systems, 34, (4), pp. 741-753.*
1962. *Gong Mao-fa, Zhang Xiao-li (2007) ECG signals processing based on wavelet transformation. Journal of Shandong University of Science and Technology, 26, (3), pp. 78-82, http://d.wanfangdata.com.cn/periodical_sdkjdxxb200703021.aspx*
1963. *Sielañczyk A, Równicka J, Jagodziñski L, Gmyrek J, Sieroñ A (2007) Contemporary possibilities of transesophageal stimulation method of the heart. Farmaceutyczny Przeglad Naukowy, 3, pp. 13-15. http://www.fpn.info.pl/fpn-3-2007-BO.pdf*
1964. *Михов Г. (2006) Електронни устройства, системи и методи за обектно-ориентирана обработка на сигнали за потискане на смущения и идентифициране на полезни компоненти. Хабилитационен труд за научно звание професор, Технически университет - София, Специализиран Съвет по Електронна и Компютърна Техника.*
1965. *Pawan M, Gaikwad K (2005) Development of a portable ECG and pulse oximeter. Synopsis Report, Department of Electronics, Shivaji University, Kolhapur, India, pp. 1-11, http://www.rkkamat.in/pawan.pdf*
1966. *Dotsinsky I, Stoyanov T (2005) Power-line Interference cancellation in ECG signals, Biomedical Instrumentation & Technology, 39, pp. 155-162.*

Bortolan G, Christov II (2008) Principal component analysis for the detection and assessment of T-wave alternans. Computers in Cardiology, 35, pp. 521-524

1967. *Tseng Yi-Li, Keng-Sheng Lin, Fu-Shan Jaw (2016) Comparison of support-vector machine and sparse representation using a modified rule-based method for automated myocardial ischemia detection. Computational and Mathematical Methods in Medicine, 25 pages, http://downloads.hindawi.com/journals/cmmm/aip/568131.pdf*

1968. *-Hadjem M, Naït-Abdesselam F (2015) A comparative study of supervised learning techniques for ECG T-wave anomalies detection in a WBS context. Int. Conf. on Protocol Engineering and New Technologies of Distributed Systems, 22-24 July, Paris, France, 6 pages.*
1969. *-Hadjem M, Naït-Abdesselam F (2015) An ECG T-wave anomalies detection using a lightweight classification model for wireless body sensors. IEEE Workshop on ICT-enabled services and technologies for eHealth and Ambient Assisted Living, June, 2015, London, UK, pp. 278-283.*
1970. *-Goovaerts G, Varon C, Vandenberk B, Willems R, Van Huffel S (2014) Tensor-based detection of T wave alternans in multilead ecg signals, Computing in Cardiology 41, http://www.cinc.org/2014/pre-prints/50-197.pdf*
1971. *-Naseri H, Pourkhajeh H, Homaeinezhad MR (2013) A unified procedure for detecting, quantifying, and validating electrocardiogram T-wave alternans. Medical & Biological Engineering & Computing, 51, (9), pp. 1031-1042*
1972. *-Zeng Li B (2012) Early detection of ischemic heart disease using multi-lead ECG and heart sounds. PhD thesis, Institute of Medical Engineering, National University of Taiwan, 101 pages*
1973. *-Violeta Monasterio Bazán (2011) Multilead analysis of T-wave alternans in the electrocardiogram. PhD Thesis, Ingeniería Electrónica y Comunicaciones, Universidad de Zaragoza, 161 pages, http://zaguan.unizar.es/record/6211/files/TESIS-2011-053.pdf*
1974. *-Ming-Tzung Shiu (2011) Analysis of T-wave alternans based on the least-square curve fitting. MS Thesis, Department of Information and Electrical Engineering, Feng Chia University, Taiwan, 102 pages*
1975. *-Mainardi L, Sassi R (2011) Analysis of T-wave alternans using the dominant T-wave paradigm. Journal of Electrocardiology, 44, (2), pp. 119-125.*

Christov, I, Stoyanov T (2002) Steep slope method for real time QRS detection, Electrotechnika & Electronica E+E, **1-2**, pp. 13-17.

1976. *- Hugo Plácido da Silva (2015) Physiological Computing: New Methods and Biometric Applications. PhD thesis, Instituto Superior Técnico, Universidade de Lisboa, 128 pages, https://www.researchgate.net/profile/Hugo_Placido_Da_Silva/publication/281651613_Physiological_Computing_New_Methods_and_Biometric_Applications/links/55f3231a08ae63926cf23258.pdf?inViewer=true&disableCoverPage=true&origin=publication_detail*
1977. *- Sathyapriya L, Murali L, Manigandan T (2014) Analysis and detection R-peak detection using modified Pan-Tompkins algorithm. IEEE Int. Conf. on Advanced Communication Control and Computing Technologies, 8-10 May, Ramanathapuram, India, pp. 483-487, http://cryptonindia.com/pdf/VLSI/12.pdf*
1978. *-Silva H, Lourenço A, Canento F, Fred A, Raposo N (2013) ECG biometrics: Principles and applications. Int.Conf. on Bio-inspired Systems and Signal Processing, 11-14 February,Barcelona, Spain, pp. 215-220*
1979. *-Lourenço A, Silva H, Lourenço RL, Leite PL, Fred ALN (2012) Realtime electrocardiogram segmentation for finger based ECG biometrics. Int. Conf. on Bio-inspired Systems and Signal Processing, Vilamoura, Portugal, 1-4 February, pp. 49-54, ISBN: 987-989-8425*
1980. *-Cvikl M, Jager F, Zemva A (2007) Hardware implementation of a modified delay-coordinate mapping-based QRS complex detection algorithm, EURASIP Journal on Advances in Signal Processing, vol 2007, doi:10.1155/2007/57286, pp. 1-13.*
1981. *-Abdud Dahian (2006) Statistical analysis of the effects of atropine and propranolol on the inter-beat interval of rats. MSci thesis, Department of Agricultural and Biological Engineering, Mississippi State University, USA.*
1982. *-Kalchev I (2003) DSP-Algorithms for cardiac symptoms investigations, International Scientific Journal of Computing, **2**, (2), pp. 106-109.*
1983. *-Kalchev I (2003) DSP-Algorithms for cardiac symptoms investigations, IDAACS2003: Proceedings of the Second IEEE International Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, pp. 331-334.*

Christov, I, Stoyanov T (2001) Steep slope method for real time QRS detection. ed. Technical University – Sofia, Tenth International Conference Electronics 2001, Sozopol, 26-28 September, b1, pp.61-66.

1984. *- Kang GT, Park KT, Choi BC, Jung DK (2009) Real time gait analysis using acceleration signal. Journal of Korean Sensors Society, 18, (6), pp. 449-455.*

Dotsinsky I, Christov I, Daskalov I (2002) Twelve-lead electrocardiogram obtained by eight channels. Electrotechnika & Electronica E+E, **1-2**, pp. 10-12.

1985. *-Илиев И, (2012) Анализ и обработка на електрокардиографски сигнал. Глава 3, В учебник: Илиев И, Табаков С, Дойчев Д, Анализ и обработка на биомедицински сигнали. Издателство на ТУ-София, ISBN: 978-619-167-012-3*
1986. *-Серафим Табаков (2009) Ритъмен анализ на сърдечната дейност, приложим в автономни системи за мониториране. Дисертация за "Доктор", Техн. Унив. – София, 111 стр*
1987. *-Илиев И, Табаков С (2008) 12-канален мултифункционален симулатор на електрокардиографски сигнали. Електротехника и Електоника Е+Е, 7-8, стр. 36-40.*
1988. *-Илиев И (2008) Ограничаване на мрежовите смущения при телеметрично регистриране на биомедицински сигнали. Нац. конф. с межд. участие "Електроника 2008", 29-30 май, София, pp. 107-110.*

1989. *Симова Я, Денчев С (2008) Дисперсия на QT-интервала – метод на изследване и значение. Списание Медицински преглед, 44, (1), стр. 27-31.*
1990. *Kalchev I (2003) DSP-Algorithms for cardiac symptoms investigations, IDAACS2003: Proceedings of the Second IEEE International Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, pp. 331-334.*
1991. *Jekova I, Stoyanov T (2003) Measurement of electrocardiogram parameters. Implementation in classification systems, ed. Technical University – Sofia, Twelfth International Conference Electronics 2003, Sozopol, 24-26 September, book 1, pp. 31-36.*
1992. *Kalchev I (2003) DSP-Algorithms for cardiac symptoms investigations, International Scientific Journal of Computing, 2, (2), pp. 106-109.*

Jekova I, Krasteva V, Dotsinsky I, Christov I, Abächerli R (2011) Recognition of diagnostically useful ECG recordings: Alert for corrupted or interchanged leads. Computing in Cardiology, 38, pp. 429-432

1993. *Sahni P (2014) Energy efficient QRS detection method for wearable wireless ECG body sensors – A Review. Int. J. of Science and Research, 3, (7), pp. 2379-2381, http://www.ijsr.net/archive/v3i7/MDIwMTU2MA%3D%3D.pdf .*
1994. *de Garibay VG, Fernández MA, de la Torre-Díez I, López-Coronado M (2016) Utility of a mHealth app for self-management and education of cardiac diseases in spanish urban and rural areas. J. of Medical Systems, 40, (8), pp. 1-8, http://link.springer.com/article/10.1007/s10916-016-0531-4 .*
1995. *Yun Chen (2016) Mining dynamic recurrences in nonlinear and nonstationary systems for feature extraction, process monitoring and fault diagnosis, PhD Thesis, College of Engineering, University of South Florida, Tampa, USA, 186 Pages, http://scholarcommons.usf.edu/cgi/viewcontent.cgi?article=7268&context=etd*
1996. *Krishnan AR, Ramesh BMV (2015) Immediate lead positioning feedback for ML based wearable ECG. Int. Conf. Health Informatics and Medical Systems, pp. 182-184, http://worldcomp-proceedings.com/proc/p2015/HIM3464.pdf*
1997. *Krishnan R, Ramesh M (2015) QRS axis based classification of electrode interchange in wearable ECG devices. 5th Int. Conf. on Wireless Mobile Communication and Healthcare pp. 237-240.*
1998. *Morgado E, Alonso-Atienza F, Santiago-Mozos R, Barquero-Pérez Ó, Silva I, Ramos J, Mark R (2015) Quality estimation of the electrocardiogram using cross-correlation among leads. Biomedical Engineering online, 14, 59, 19 pages.*
1999. *Sahni P, Kaur K (2014) Energy efficient QRS detection method for portable and personal analysis of ECG signal obtained from wearable wireless ECG body sensors, International Journal of Science and Research (IJSR), 3(9), pp. 846-851, ISSN: 2319-7064, http://www.ijsr.net/archive/v3i9/U0VQMTQzMw==.pdf*
2000. *El-Khoribi RA, El-Sari AN, (2013), Quality assessment of 12-Lead ECG in body sensor network. Intern. J. of Sciences, 2,(10), pp. 100-105, http://www.ijsciences.com/pub/pdf/V220131009.pdf*
2001. *Martínez-Pérez B, Torre-Díez I,López-Coronado M, Herreros-González J (2013) Mobile apps in cardiology: Review. J. of Medical Internet Research, 15, (7), 15 pages, http://mhealth.jmir.org/2013/2/e15/*
2002. *Palanivel Rajan S, Manimala K, Sri Nivethini C (2013) Certain explorations of ECG pre-processing and R-peak detection technique using wavelet analysis, Int. J. of Engineering Research & Technology, 2, (2), pp.1-7, ISSN: 2278-0181*
2003. *Козюра АВ (2012) Разработка метода оценки качества электрокардиографического сигнала. Биотехносфера, № 3-4(21-22) стр 98-102.*
2004. *Henian Xia, Xiaopeng Zhao, Hairong Qi (2012) ECG quality assessment based on image processing techniques. ASME joint conferences on Dynamic Systems and Control & Motion and Vibration, 17-19 October, Florida, USA, pp. 553-560, DOI: 10.1115/DSCC2012-MOVIC2012-8591*
2005. *Yun Chen, Hui Yang (2012) Self-organized neural network for the quality control of 12-lead ECG signals. Physiological Measurement, 33, pp. 1399-1418, ISSN 0967-3334*

Gotchev A, Christov I, Egiazarian K (2002) Denoising the electrocardiogram from electromyogram artifacts by combined transform-domain and dynamic approximation method, Int. Conf. Acoustics, Speech and Signal Processing, ICASSP2002, Orlando, USA, 13-17 May, pp. 3872-3875.

2006. *Тулякова НО (2014) Методы устранения миографического шума в электрокардиограмме. Комп'ютерні системи та інформаційні технології, 2, (66), pp 85-92, http://www.khai.edu/csp/nauchportal/Arhiv/REKS/2014/REKS214/Tulyakova.pdf*
2007. *Михов Георги (2013) Изследване и усъвършенстване на субтракционния метод за отстраняване на смущения от електрокардиографски сигналилл Дисертация за "Доктор на науките", Техн. Унив. – София, 270 стр.*
2008. *Dotsinsky I, Mihov J (2010) Simple approach for tremor suppression in electrocardiograms. Bioautomation, 14, (2), pp. 129-138*
2009. *Dotsinsky IA, Mihov GS (2008) Tremor suppression in ECG, Biomedical Engineering Online, 7, 29, doi:10.1186/1475-925X-7-29*
2010. *Шерстобитов АИ (2007) Разработка и исследование метода обработки сигналов в условиях априорной неопределености. Дисертация кандидата технических наук. Южно-российский государственний университет економики и сервиза, Шахты.*

2011. *-Тодор В Стоянов (2004) Компютърна обработка и анализ на електрокардиограми. Дисертация за Доктор, БАН.*

Christov I, Simova I, Abächerli R (2013) Cancellation of the maternal and extraction of the fetal ECG in noninvasive recordings. Computing in Cardiology, *40, pp. 153-156*

2012. *-Behar J, Andreotti F, Zaunseder S, Oster J, Clifford G (2016) A practical guide to non-invasive foetal electrocardiogram extraction and analysis. Physiological Measurement, 37, (5), pp. R1-R35, http://iopscience.iop.org/article/10.1088/0967-3334/37/5/R1/pdf .*
2013. *-Kumar P, Sharma SK, Prasad S (2016) CAD for detection of fetal electrocardiogram by using wavelets and neuro-fuzzy systems. Int. J. of Applied Engineering Research, 11, (4), pp. 2321-2326.*
2014. *-Kumar P, Sharma SK, Prasad S (2015) Detection of fetal electrocardiogram through OFDM, neuro-fuzzy logic and wavelets systems for telemetry. Int. Conf. Humanoid, Nanotechnology, Information Technology, Communication and Control, Environment and Management, 9-12 Dec. Cebu City, Philippines, 3 pages.*
2015. *-Bureev AS, Zhdanov DS, Zilberman NN, Kiseleva EY, Yuriev SY (2015) Comparative assessment of 24-hour fetal monitoring methods based on cardiac rhythm. Biosciences Biotechnology Research Asia, 12, (2), pp. 1743-1750.*
2016. *-Yacin SM, Vennila M (2015) Analysis of foetal electrocardiogram extraction methods and enhancement using Hilbert-Huang transform Int. J. of Biomedical Engineering and Technology 18, (1), pp. 14-29*
2017. *-Dessi A, Pani D, Raffo L (2014) An advanced algorithm for fetal heart rate estimation from non-invasive low electrode density recordings. Physiological Measurement, 35, pp. 1621–1636*
2018. *-Di Maria C, Liu C, Zheng D, Murray A, Langley P (2014) Extracting fetal heart beats from maternal abdominal recordings: selection of the optimal principal components. Physiological Measurement, 35, pp. 1649–1664*
2019. *-Behar J, Oster J, Clifford GD (2014) Combining and benchmarking methods of foetal ECG extraction without maternal or scalp electrode data. Physiological Measurement, 35, pp. 1569–1589*
2020. *-Silva I, Behar J, Sameni R, Zhu T, Oster J, Clifford GD, Moody GB (2013) Noninvasive fetal ECG: the PhysioNet/Computing in Cardiology Challenge 2013, Computing in Cardiology, 40, pp. 149-152.*

Krasteva VTz, Jekova II, Christov II (2006) Automatic detection of premature atrial contractions in the electrocardiogram. Electrotechnika & Electronica E+E, 9-10, pp. 49-55.

2021. *-Elgendi M, Eskofier B, Abbott D (2015) Fast T wave detection calibrated by clinical knowledge with annotation of P and T waves. Sensors, 15, pp. 17693-17714.*
2022. *-Elgendi M, Eskofier B, Dokos S, Abbott D (2014) Revisiting QRS detection methodologies for portable, wearable, battery-operated, and wireless ECG systems.PLoS ONE, 9, (1), 18 pages.*
2023. *-Elgendi M (2013) On QRS detection methodologies: a revisit for mobile phone applications, wireless ECG monitoring and large ECG databases analysis, Digital Signal Processing, 26 pages, http://vixra.org/pdf/1301.0058v1.pdf*
2024. *-Baas T (2012) ECG based analysis of the ventricular repolarisation in the human heart, PhD Thesis, Facultat fur Elektrotechnik und Informationstechnik des Karlsruher Instituts fur Technologie, In: Karlsruhe Transactions on Biomedical Engineering, vol. 18, 256 pages, KIT Scientific Publishing; ISSN: 1864-5933, https://books.google.bg/books?id=9O32AwAAQBAJ&printsec=frontcover&hl=bg&source=gbs_ge_summary_r&cad=0#v=onepage&q&f=false*
2025. *-Diego Hernán Peluffo Ordóñez (2009) Estudio comparativo de métodos de agrupamiento no supervisado de latidos de seňales ECG. Ms Thesis, Departamento de Ingeniería Eléctrica, Electrónica y Computación, Universidad Nacional de Colombia, 162 pages, http://www.bdigital.unal.edu.co/2112/1/Diegohernanpeluffoordonez.2009.pdf*
2026. *-Elgendi M, Jonkman M, De Boer F (2008) Premature atrial complexes detection using the Fisher Linear Discriminant. 7th IEEE Int. Conf. fn Cognitive Informatics, ICCI 2008, 14-16 August, Stanford, CA, pp. 83-88.*

Христов И. (2005) "Премахване на смущения, разпознаване на вълни и измерване на параметри в електрокардиографски сигнали". Дисертация за присъждане на научна степен "Доктор на техническите науки", Българска Академия на Науките, Специализиран Съвет по Електронна и Компютърна Техника.

2027. *-Валентин Цибулко (2016) Праектиране изследване и анализ на методи и устроиства за телеметрично мониториране на пациенти с пейсмейкър. Дисертация за "Доктор", Техн. Унив. – София, 127 стр.*
2028. *-Михов Георги (2013) Изследване и усъвършенстване на субтракционния метод за отстраняване на смущения от електрокардиографски сигнали. Дисертация за "Доктор на науките", Техн. Унив. – София, 270 стр.*
2029. *Илиев И, (2012) Анализ и обработка на електрокардиографски сигнал. Глава 3, В учебник: Илиев И, Табаков С, Дойчев Д, Анализ и обработка на биомедицински сигнали. Издателство на ТУ-София, ISBN: 978-619-167-012-3*
2030. *-Иво Илиев (2012) Методи, устройства и системи за телеметрично мониториране на виокорискови пациенти със сърдечносъдови заболявания. Дисертация за "Доктор на науките", Техн. Унив. – София, 199 стр.*
2031. *-Серафим Табаков (2009) Ритъмен анализ на сърдечната дейност, приложим в автономни системи за мониториране. Дисертация за "Доктор", Техн. Унив. – София, 111 стр.*

2032. ✍-Илиев И, Табаков С (2008) Цифров филтър за премахване на бързи промени в нулевата линия при регистриране на електрокардиографски сигналил Нац. конференция с международно участие "Електроника 2008", 29-30 май, София, pp. 111-116.
2033. ✍-Михов Г. (2006) Електронни устройства, системи и методи за обектно-ориентирана обработка на сигнали за потискане на смущения и идентифициране на полезни компоненти. Хабилитационен труд за научно звание професор, Технически университет - София, Специализиран Съвет по Електронна и Компютърна Техника.

Mateev H, Simova I, Katova T, Dimitrov N, Christov I (2011) TEMEO – a novel mobile heart rhythm telemonitoring system. Computing in Cardiology, 38, pp. 883-886

2034. Goutam Kumar Sahoo (2015) A framework for remote patient monitoring to diagnose the cardiac disorders. MS thesis, National Institute of Technology, Rourkela, India, 99 pages, http://ethesis.nitrkl.ac.in/6706/1/Goutamsahoo_mtech_2015.pdf
2035. Petrov L, Alexandrova A, Chanev S (2015) Heart rate variability in experimental model of competitive stress in handball. Int. J. of Sport Studies, 7, 10 pages.
2036. ✍-Abo-Zahhad M, Ahmed SM, Elnahas O (2015) Remote online vital signs processing for patientmonitoring and diagnosis. SOP Transactions on Signal Processing, 16 pages, http://www.scipublish.com/journals/STSP/papers/download/3309-1248.pdf
2037. ✍-Bawa K, Sabharwal P (2014) ECG signal fibrillation classification on Android platform: A survey approach. Int. J. of Emerging Science and Engineering, 2, (7), 4 pages
2038. ✍-Petrov LA, Bozhilov G, Alexandrova AV, Mugandani SC, Djarova TG (2014) Salivary alpha-amylase, heart rate and heart-rate variability in response to an experimental model of competitive stress in volleyball players: sport science. African J. for Physical Health Education, Recreation and Dance, 20, pp. 308-322.
2039. ✍-Rotariu C, Manta V, Ciobotariu R.(2013) Integrated system based on wireless sensors network for cardiac arrhythmia monitoring Advances in Electrical and Computer Engineering , 13, (1), pp. 95-100, ISSN: 1582-7445
2040. ✍-Wisniewski M, Zielinski TP (2012) Detection of multi-tones in white and colored noise with application to asthmatic wheezes detection. Int. Conf on Signal and Electronic Systems, 18-21 September, Wroclav, Poland, 6 pages, http://www.icses2012.pwr.wroc.pl/article/102.pdf

Bortolan G, Christov I (2012) T-wave alternans detection by a combined method of principal component analysis and T-wave amplitude. Physiological Measurement, 33, pp. 333-343.

2041. ✍-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.
2042. ✍-Karplyuk Y, Ivanko K, Ivanushkina N (2015) Peculiarities of T wave alternans detection and evaluation. Electronics and Nanotechnology Conf., 21-24 April, Kiev, Ukraine, pp 356-361
2043. ✍-Przystup P, Przystup A, Bujnowski A, Wtorek J (2014) ECG-based prediction of ventricular fibrillation by means of the PCA. IEEE Int. Symp. on Medical Measurements and Applications, 11-12 June, Lisboa, Portugal, pp. 1-5
2044. ✍-Deogire A, Hamde S (2013) T wave alternans detection, quantification and pattern definition. Int. Congr. of Cardiology, 7-10 August, Glasgow, pp. 100-105
2045. ✍-Sakhnova T, Blinova E, Trunov V, Aidu E, Yurasova E, Saidova M, Martynyuk T, Chazova I (2013) Decartographic detection of presence and severity of right ventricular overload in patients with pulmonary hypertension. J. of Electrocardiology, 46, (4), pp. e9-e10.
2046. ✍-Naseri H, Pourkhajeh H, Homaeinezhad MR (2013) A unified procedure for detecting, quantifying, and validating electrocardiogram T-wave alternans. Medical & Biological Engineering & Computing, 51, (9), pp. 1031-1042

Batchvarov VN, Bortolan G, Christov II (2008) Effect of heart rate and body position on the complexity of the QRS and T wave in healthy subjects. Computers in Cardiology, 35, pp. 225-228.

2047. ✍-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.
2048. ✍-Porée F, Kervio G, Carrault G (2016) ECG biometric analysis in different physiological recording conditions. Signal, Image and Video Processing, 10, (2), pp. 267-276, http://link.springer.com/article/10.1007/s11760-014-0737-1
2049. ✍- Giraldo BF, Calvo A, Martínez B, Jané R (2013) Caracterización y análisis del ECG, la presión sanguínea y el flujo respiratorio en sujetos sanos. Jornades de Recerca EUETIB, ISBN: 978-84-695-9922-8, pp. 153-162
2050. ✍-Noureddine Belgacem, Amine Nait-Ali, Régis Fournier, Fethi Bereksi-Reguig (2012) ECG based human authentication using wavelets and random forests. Int. J. on Cryptography and Information Security, 2, (2), pp. 1-11, ISSN: 1839-8626
2051. ✍-Porée F, Gallix A, Carrault G (2011) Biometric identification of individuals based on ECG. Which conditions? Computers in Cardiology, 38, pp. 761-764, ISSN:0276-6574
2052. ✍-Porée F, Bansard JY, Kervio G, Carrault G (2009) Stability analysis of the 12-lead ECG morphology in different physiological conditions of interest for biometric applications. Computers in Cardiology, 36, pp. 285−288.

Bortolan G, Christov II, Pedrycz W (2007) Hyperbox classifiers for ECG beat analysis. *IEEE Computers in Cardiology*, 34, pp. 145-148, http://www.cinc.org/archives/2007/pdf/0145.pdf

2053. *-Joséda E, Schwartz WR, Chávez GC, Menotti D (2016) ECG-based heartbeat classification for arrhythmia detection: A survey. Computer Methods and Programs in Biomedicine 127, pp 144-164*
2054. *-Karreet Kaur (2012) Analysis and interpretation of ECG signals. PhD thesis, Sant Longowal Institute of Engineering and Technology, Longowal, Punjab India, 209 pages, http://ir.inflibnet.ac.in:8080/jspui/handle/10603/43995*
2055. *-Eduardo José da Silva Luz (2012) Classificação automática de arritmias: um novo método usando classificação hierárquica. MS Thesis, Universidade Federal de Ouro Preto, Instituto de Ciências Exatas e Biológicas, 70 pages,*
2056. *-Александр Николаевич Калиниченко (2008) Компьютерные методы автоматического анализа ЭКГ в системах кардиологического наблюдения. PhD Thesis, St. Peterburg, Rissia, 205 pages, http://www.dissercat.com/content/kompyuternye-metody-avtomaticheskogo-analiza-ekg-v-sistemakh-kardiologicheskogo-nablyudeniya*
2057. *- Abdul-Ahad AS, Çürüklü B, Folke M, Lindén M (2008) Indirect wavelet-based cardio arrhythmia detection algorithm, Medicinteknikdagarna, Gothenburg, Sweden, pp. 14-15*

Simov D, Simova I, Danov V, Christov I (2007) Effect of coronary artery bypass grafting on QT interval dispersion. *The Internet Journal of Thoracic and Cardiovascular Surgery*, 10 (1).

2058. *-Agustinus R, Yuniadi Y, Setianto B (2010) Correlation between QT dispersion after coronary artery bypass graft and major cardiovascular adverse events. Jurnal Kardiologi Indonesia, 31, pp.72-83, http://indonesia.digitaljournals.org/index.php/karidn/article/viewFile/279/278*
2059. *-Budhi Setianto (2010) Nilai prognostik dispersi QT pasca bedah pintas koroner. Jurnal Kardiologi Indonesia, 31, pp. 84-86, http://indonesia.digitaljournals.org/index.php/karidn/article/download/280/279*
2060. *-Reynold Agustinus (2010) Hubungan antara dispersi QT pasca bedah pintas arteri koroner dengan kejadian kardiovaskular mayor. Online Joural of the Faculty of Medicine, University of Indonesia, http://www.kardiologi-ui.com/newsread.php?id=362.*
2061. *-Reynold Agustinus (2010) Dispersi QT pasca revaskularisasi. Online Joural of the Faculty of Medicine, University of Indonesia, http://www.kardiologi-ui.com/newsread.php?id=358*

Dotsinsky IA, Christov II (1997) Detection of QRS complexes and ventricular ectopic beats in the electrocardiogram, ed Technische Universität Ilmenau, 42-nd international scientific colloquium, Ilmenau, Germany, 22-25 September, pp. 99-103.

2062. *-Tanev S (2012) Ventricular beat detection and classification in long term ECG recordings. Int.J. Bioautomation, 16, (4), pp. 273-290*
2063. *-Иво Илиев (2012) Методи, устройства и системи за телеметрично мониториране на виокорискови пациенти със сърдечносъдови заболявания. Дисертация за "Доктор на науките", Техн. Унив. – София, 199 стр.*
2064. *-Серафим Табаков (2009) Ритъмен анализ на сърдечната дейност, приложим в автономни системи за мониториране. Дисертация за "Доктор", Техн. Унив. – София, 111 стр.*
2065. *-Владислав Борисов Колев (2000) Методи за обработка и анализ на електрогастрограми. Дисертация за научна степен Доктор. БАН*

Christov, II, Dotsinsky, IA (1987) Digital elimination of 50 Hz interference from ECG signals, 7-th Hungarian Conference of Biomedical Engineering, Esztergom, September, pp. 85-87.

2066. *-Михов Георги (2013) Изследване и усъвършенстване на субтракционния метод за отстраняване на смущения от електрокардиографски сигнали. Дисертация за "Доктор на науките", Техн. Унив. – София, 270 стр.*
2067. *-Михов Г. (2006) Електронни устройства, системи и методи за обектно-ориентирана обработка на сигнали за потискане на смущения и идентифициране на полезни компоненти. Хабилитационен труд за научно звание професор, Технически университет - София, Специализиран Съвет по Електронна и Компютърна Техника.*
2068. *-Mihov G (2006) Investigation of the linearity criterion in the subtraction method for removing powerline interference from ECG. Fifteenth International Scientific and Applied Science Conference Electronics 2006, Sozopol, 20-22 September, book 3, pp. 110-116.*
2069. *-Галидия Иванова Петрова (2000) Методи и електронни устройства за импеданс-кардиография. Дисертация за научна степен Доктор. Техн. Ун. София, филиал Пловдив.*

Dotsinsky IA Christov II, Daskalov IK (1996) Assessment of metrological characteristics of digital electrocardiographs. Jour. Clin. Eng., 21, 2, pp. 156-160.

2070. *-Marcio Candido da Silva (2008) Sistema para avaliação da conformidade de eletrocardiógrafos. Tese, Pontifícia Universidade Católica do Rio de Janeiro, 175 pages, http://www.maxwell.lambda.ele.puc-rio.br/Busca_etds.php?strSecao=resultado&nrSeq=12402@1*

2071. *-Silva Pedro Paulo Almeida (2003) Metrologia nas normas, normas na metrologia. Dissertação, Pontifícia Universidade Católica do Rio de Janeiro, 160 pages, http://www.maxwell.lambda.ele.puc-rio.br/cgi-bin/PRG_0599.EXE/12402_9.PDF*
2072. *-Jekova I (2000) Comparison of five algorithms for the detection of ventricular fibrillation from the surface ECG, Physiol. Meas., 21, (1), pp. 429-439.*
2073. *-Inmetro (1998) Informação Publicação mensal editada pelo Centro de Informação e Difusão Tecnológica do Inmetro, 17, (8), pp 1-12, http://www.inmetro.gov.br/infotec/publicacoes/boletins/Info9808.pdf*

Herrero GG, Gotchev A, Christov I, Egiazarian K (2004) Heartbeat classification using independent component analysis and matching pursuits, ed. University of Jyväskylä, Advanced methods for processing bioelectrical signals, Jyväskylä, Finland, October 2004, pp. 1-13.

2074. *- Sambhu D, Umesh AC (2013) Automatic classification of ECG signals with features extracted using wavelet transform and support vector machines, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, 2,(1), pp.235-241, ISSN:2320–3765*
2075. *-Mohamed Ezzeldin A. Bashir, Dong Gyu Lee, Makki Akasha, Gyeong Min Yi, Eun-jong Cha, Jang-whan Bae, Myeong Chan Cho, Keun Ho Ryu. (2010) Highlighting the current issues with pride suggestions for improving the performance of real time cardiac health monitoring. In: Lecture Notes in Computer Science, Eds: Khuri S, Lhotská L, Pisanti N, © Springer-Verlag, vol 6266, pp. 226-233*
2076. *-Besrour R, Lachiri Z, Ellouze N (2008) ECG beat classifier using support vector machine. 3rd Int. Conf. on Information and Communication Technologies: From Theory to Applications, ICTTA 2008, 7-11 April, pp. 1-5.*
2077. *-Li Sheng-ian, Xu Yi-xin (2008) Development of methods for automatic heatbeat classification. Shanghai Journal of Biomedical Engineering, 29, (3), http://d.wanfangdata.com.cn/Periodical_shswyxgc200803011.aspx*

Христов И (1988) "Възприемане, обработка и регистриране на електрокардиосигнали чрез микропроцесорни устройства", Дисертация за присъждане на научна степен "Доктор", Българска Академия на Науките, Специализиран Съвет по Електронна и Компютърна Техника.

2078. *-Стоян Танев (2015) Продължително наблюдение на важни параметри на сърдечно-съдовата система в екстремни условия. Дисертация за "Доктор". Институт за космически изследвания и технологии –БАН, http://www.space.bas.bg/BG/Procedura%20Tanev/Avtoreferat_Stoyan%20Tanev.pdf*
2079. *-Михов Георги (2013) Изследване и усъвършенстване на субтракционния метод за отстраняване на смущения от електрокардиографски сигнали. Дисертация за "Доктор на науките", Техн. Унив. – София, 270 стр.*
2080. *-Тодор В Стоянов (2004) Компютърна обработка и анализ на електрокардиограми. Дисертация за Доктор, БАН*
2081. *-Добромир П Добрев (2000) Метод и електронни устройства за мониториране на новородени, Дисертация за научна степен Доктор. БАН*

Daskalov IK, Christov II, Kolev V (1997) High-pass filtering of the electrogastrogram. *Med. & Biol. Eng. & Comp*., **35**, 3, pp. 279-282.

2082. *-Jin-Kae Jang (2007) Portable recording system for electrogastrogram application. PhD Thesis, Chinese Electronis Thesis & Disertation Service (CETD), Institute of Electrical Engineering, National Taiwan University, 84 pages*
2083. *- Han-Chang Wu (2002) The applications of time-frequency analysis in noninvasive physiological signal processing and portable instrumentation design. PhD Thesis, Institute of Electrical Engineering, National Taiwan University, 97 pages, http://ndltd.ncl.edu.tw/cgi-bin/gs32/gsweb.cgi/login?o=dnclcdr&s=id=%22090NTU00442023%22.&searchmode=basic*
2084. *-Jang J-K, Kuo T-S, Shieh M-J (2001) Microcontroller-based EGG recording system Biomedical Engineering - Applications, Basis and Communications 13, (5), pp. 226-230.*

Christov, I (2004) Bidirectional high-pass recursive filter for drift suppression, Electrotechnika & Electronica E+E, **1-2**, pp. 43-50

2085. *-Gotchev A (2006) Spline-based techniques for signal and image interpolation and decimation, Lectures, Tampere University of Technology, Tampere, Finland, http://www.cs.tut.fi/~agotchev/DIPII/lecture3.pdf.*
2086. *-Тодор В Стоянов (2004) Компютърна обработка и анализ на електрокардиограми. Дисертация за Доктор, БАН*
2087. *-Gotchev A (2003) Spline and wavelet based techniques for signal and image processing, Doctor of Technology Thesis, Tampere University of Technology, Tampere, Finland, pub. No 429, 191 pages.*

Matveev M, Naydenov S, Krasteva V, Donova T, Christov I (2006) Assessment of the infarct size in high-resolution electrocardiograms, *IEEE Computers in Cardiology*, 33, pp. 461-464

2088. *-Dingfei Ge, Wujie Zhou (2016) Discrimination of different myocardial infarction stages using wide band electrocardiogram. Biomedical Signal Processing and Control, 25, pp. 143–149*

2089. *-Dingfei G, Lihui S, Xiaojin W (2010) Discrimination of myocardial infraction using orthogonal ECG and fuzzy weighted method. 4th Int. Conf. on Bioinformatics and Biomedical Engineering, 18-20 June, Chengdu, China, art. no. 5516250*
2090. *-Dingfei Ge, Lihui Sun, Jiayin Zhou, Yuquan Shao (2009) Discrimination of myocardial infarction stages by subjective feature extraction. Computer Methods and Programs in Biomedicine, 95, (3), pp. 270-279.*

Bortolan G, Bressan M, Christov I (2009) Review on the diagnostic potentials of the T-loop morphology in VCG. Bioautomation, 13, (4), pp. 55-71.

2091. *-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*
2092. *-Correa R, Arini PD, Correa LS, Valentinuzzi M, Laciar E (2014) Novel technique for ST-T interval characterization in patients with acute myocardial ischemia Computers in Biology and Medicine, 50, (1), pp. 49–55*
2093. *-Bonomini MP, Corizzo SJ, Laguna P, Arini P (2014) 2D ECG differences in frontal vs preferential planes inpatients referred for percutaneous transluminal coronary angioplasty. Biomedical Signal Processing and Control, 11, pp. 97–106.*
2094. *-Valentinuzzi ME, Arini PD, Laciar E, Bonomini MP, Correa RO (2013) Cardiac risk assessment: When and who?. IEEE Pulse, 4, (4), pp. 38-48.*

Christov I (2007) Assessment of the performance of the adaptive thresholding algorithm for QRS detection with the use of AHA database. Bioautomation, 6, pp. 27-37

2095. *-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*
2096. *-Hassen A, Histace A, Terosiet M, Romain O (2015) FPGA-based detection of QRS complexes in ECG signal. Conf. on Design and Architectures for Signal and Image Processing, 23-25 Sept., Krakow, Poland, pp. 1-7, DOI: 10.1109/DASIP.2015.7367244*
2097. *-Стоян Танев (2015) Продължително наблюдение на важни параметри на сърдечно-съдовата система в екстремни условия. Дисертация за "Доктор". Институт за космически изследвания и технологии –БАН, http://www.space.bas.bg/BG/Procedura%20Tanev/Avtoreferat_Stoyan%20Tanev.pdf*
2098. *-Tanev S (2012) Ventricular beat detection and classification in long term ECG recordings. Int.J. Bioautomation, 16, (4), pp. 273-290*
2099. *-Mateev H, Simova I, Katova T, Dimitrov N (2012) Clinical evaluation of a mobile heart rhythm telemonitoring system. ISRN Cardiology online, 8 pages, http://downloads.hindawi.com/isrn/cardiology/2012/192670.pdf*

Christov I, Simova I, Abacherly R (2014) Extraction of the fetal ECG in noninvasive recordings by signal decompositions. Physiological Measuuremet, 35, pp. 1713-1721

2100. *-Da Poian G, Bernardini R, Rinaldo R (2016) Separation and analysis of fetal-ECG signals from compressed sensed abdominal ECG recordings. IEEE Transactions on Biomedical Engineering, 63, (6), pp. 1269-1279*
2101. *-Petrolis R, Gintautas V, Krisciukaitis A (2015) Multistage principal component analysis based method for abdominal ECG decomposition. Physiological Measurement, 36, (2), pp. 329-356*
2102. *-Clifford GD, Silva I, Behar J, Moody GB (2014) Non-invasive fetal ECG analysis. Physiological Measurement, 35, pp. 1521-1536*
2103. *-Huawen Yan, Hongxing Liu, Xiaolin Huang, Ying Zhao, Junfeng Si (2014) Invariant heart beat span versus variant heart beat intervals and its application to fetal ECG extraction. BioMedical Engineering OnLine, 13:163*

Bortolan G, Christov I, Simova I, Dotsinsky I (2015) Noise processing in exercise ECG stress test for the analysis and the clinical characterization of QRS and T wave alternans. Biomedical Signal Processing and Control, 18, pp.378-385

2104. *-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*
2105. *-Cammarota C Curione M (2016). Trend extraction in functional data of R and T waves amplitudes of exercise electrocardiogram. Cornell University, 15 pages, http://arxiv.org/abs/1602.05907*
2106. *-Ebrahimia A, Addehb J (2015) Classification of ECG arrhythmias using adaptive neuro-fuzzy inference system and Cuckoo optimization algorithm. Computational Research Progress in Applied Science & Engineering, 1, (4), pp. 134-140, ISSN 2423-4591*
2107. *-Anwar Al-Shrouf (2015) Noise-immune ECG classifier using wavelet transform and neural networks. Int. J. of Engineering and Advanced Technology, 5, (1), http://www.ijeat.org/attachments/File/v5i1/A4306105115.pdf*

Christov I, Jekova I, Krasteva V, Dotsinsky I, Stoyanov T (2009) Rhythm analysis by heartbeat classification in the electrocardiogram. Bioautomation, 13, (2), pp. 84-96

2108. *-Akash Kumar Bhoi, Karma Sonam Sherpa, Bidita Khandelwal (2015) Classification probability analysis for arrhythmia and ischemia using frequency domain features of QRS complex. Int. J. of Bioautomation, 19, (4), pp. 531-542.*
2109. *-Jun Wang, Guoqing Wang, Ming Li, Wenkai Du, Wenhui Yu (2015) Hand vein images enhancement based on local gray-level information histogram. Int. J. Bioautomation, 19, (2), pp. 245-258.*

2110. *-Jun Wang, Guoqing Wang, Ming Li, Kairui Wang, Hao Tian (2014) Hand vein recognition based on improved Template Matching. Int. J. Bioautomation, 18, (4), pp. 337-348.*

Simova I, Christov I, Bortolan G (2015) A review on electrocardiographic changes in diabetic patients. Current Diabetes Reviews, 11, pp. 102-106

2111. *-Farshid A, Tamaddonfard E, Moradi-Arzloo M, Mirzakhani N (2016 in press). The effects of crocin, insulin and their co-administration on the heart function and pathology in streptozotocin-induced diabetic rats. Avicenna Journal of Phytomedicine, 1-11.*
2112. *-Israel CW, Lee-Barkey YH (2016) Plötzlicher Herztod bei Diabetes mellitus. Herz, Springer Medizin pp. 193-200.*
2113. *-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*

Stoyanov T, Mudrov N, Christov I, Dotsinsky I (2002) ECG computer-based system, Electrotechnika & Electronica E+E, **1-2**, pp. 3-9.

2114. *-Kalchev I (2003) DSP-Algorithms for cardiac symptoms investigations, International Scientific Journal of Computing, 2, (2), pp. 106-109.*
2115. *-Kalchev I (2003) DSP-Algorithms for cardiac symptoms investigations, IDAACS2003: Proceedings of the Second IEEE International Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, pp. 331-334.*

Dotsinsky, IA, Christov, II, Pundjev, V (1984) Amplification of the ECG signal, 6-th Hungarian Conference of Biomedical Engineering, Balatonfured, 18-20 September, pp. 122-124.

2116. *-Daskalov I (1997) Electrocardiogram acquisition, preprocessing and parameter measurement. 4th European conference on engineering and medicine, Warsaw, Poland, May 25-28, pp. 7-8.*
2117. *-Васил Радославов Лолов (1989) Отвеждане, компютърна обработка и анализ на електрическата активност на сърцето. Дисертация КБН, Медицинска академия, София*

Daskalov, IK, Atanassova, E, Dotsinsky, IA, Christov, II (1995) Investigation in noninvasive electrogastrography, *Biomedizinische Technik,* Band **40**, Erganzungsband 2, pp. 161-163.

2118. *-Ye Yiyao, Martínez de Juan JL, Garcia Casado J, Ponce JL (2005) Blind separation of electrocardiogram interference from bowel myoelectrical surface recording, European Medical & Biological Engineering Conference, IEEE, Prague, Czech Republic, Editors: IEEE, November, 2005. CD-ROM Article No 2445.*
2119. *-Kolev V (2000) Compressed time and frequency recording of the electrogastrogram by individual wave detection. Physiological Measurement, **21,** (1), pp. N1-N10.*

Христов И, Доцински И, Пунджев В (1983) Многоканален диференциален усилвател. No 36079.

2120. *-Мариана Димитрова Вълкова (1990) Автоматична обработка и анализ на физиологични сигнали при подбор на работещи в екстремални условия. Дисертация КТН, Технически университет, София.*
2121. *-Васил Радославов Лолов (1989) Отвеждане, компютърна обработка и анализ на електрическата активност на сърцето. Дисертация КБН, Медицинска академия, София.*

Christov I, Dotsinsky I, Atanassov K, Georgiev P (1999) Generalized net model of an electrocardiograph, Modeling, Measurements & Control, 60, 1-2, pp. 1-8.

2122. *-Alexieva J, Choy E, Koycheva E (2007) Review and bibliography on generalized nets theory and applications. pp. 207-301, In: A survey of generalized nets. Eds: Choy E, Krawczak M, Shannon A, Szmidt E. © Raffles KvB Institute Pty Ltd.*
2123. *-Radeva V, Krawczak M, Choy E (2002) Review and bibliography on generalized nets theory and applications. Advanced Studies in Contemporary Mathematics, **4**, (2), pp. 173-199.*

Batchvarov VN, Christov II, Bortolan G, Simova II, Camm AJ (2007) Post-extrasystolic changes of the vectorcardiographic T loop in healthy subjects. *IEEE Computers in Cardiology*, 34, pp. 451-454.

2124. *-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation*
2125. *-Farahabadi E, Farahabadi A, Rabbani H, Dehnavi A Mehri, Mahjoob M Parsa (2010) An entropy-based method for ischemia diagnosis using ECG signal in wavelet domain 10th IEEE Int. Conf. on Signal Processing, 24-28 October, Beijing, China, DOI 10.1109/ICOSP.2010.5655089, pp. 195-198.*
2126. *-Sheridan PJ, Marques JLB, Newman CMH, Heller SR, Clayton RH (2010) Rate-dependent measures of repolarization predict inducibility of ventricular arrhythmias. Europace online, pp. 1-8*

Christov I, Bortolan G, Simova I, Katova T (2012) T wave and QRS complex alternans during stress ECG testing according to the presence or absence of diabetes mellitus. Journal of Endocrinology and Metabolism, 2, (1), pp. 32-38.

2127. *-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*

2128. ✍-Naseri H, Pourkhajeh H, Homaeinezhad MR (2013) A unified procedure for detecting, quantifying, and validating electrocardiogram T-wave alternans. Medical & Biological Engineering & Computing, 51, (9), pp. 1031-1042

Matveev M, Krasteva V, Tsonev S, Milanova M, Prokopova R, Christov I (2011) Cardiac syndrome X electrocardiographic profile using high-resolution signal-averaged VCG. Computing in Cardiology, 38, pp. 793-796

2129. ✍-Meireles A, Lino F, Luis Seabra L (2013) A portable spatial monitoring system for autonomous heart diagnosis. IEEE Int. Conf. on e-Health Networking, Applications & Services, 9-12 October, Lisbon, Portugal, pp. 449-453

Batchvarov V, Christov I, Bortolan G, Behr E (2010) Principal component analysis of the QRS complex during diagnostic ajmaline test for suspected Brugada syndrome. Computing in Cardiology, 37, pp. 501-504

2130. ✍-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.

2131. ✍-Bhoi AK, Sherpa KS (2014) QRS complex detection and analysis of cardiovascular abnormalities: A review. Int. J.BioAutomation, 13, (3), pp. 181-194

Christov I, Bortolan G, Simova I, Katova T (2010) T wave and QRS complex alternans during standard diagnostic stress ECG test. Computing in Cardiology, 37, pp. 1039-1042, ISSN 0276-6574

2132. ✍-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.

2133. ✍-Limaye MH, Deshmukh MV (2016) ECG noise sources and various noise removal techniques: A survey. Int. J. of Application or Innovation in Engineering & Management, 5, (2), pp. 86-92, http://www.ijaiem.org/Volume5Issue2/IJAIEM-2016-02-25-22.pdf

2134. ✍-Kaveh A, Chung W (2013) Classification of hydration status using electrocardiogram and machine learning. Int. Symp. on Computational Models for Life Sciences, 27-19 November, Sydney, Australia, pp. 240-249.

Bortolan G, Christov II, Batchvarov VN, Behr ER (2009) QRS&T wave alternans and beat-to-beat ventricular repolarization variability assessed from 12-lead Holters in patients with suspected Brugada syndrome. *Computers in Cardiology,* 36, pp. 305-308

2135. ✍-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.

2136. ✍-Violeta Monasterio Bazán (2011) Multilead analysis of T-wave alternans in the electrocardiogram. PhD Thesis, Ingeniería Electrónica y Comunicaciones, Universidad de Zaragoza, 161 pages, http://zaguan.unizar.es/record/6211/files/TESIS-2011-053.pdf

Bazhyna A, Gotchev A, Christov II, Daskalov IK, Egiazarian K (2003) Noninvasive His-bundle electrocardiogram: toward beat-to-beat electromyogram noise removal, Computers in Cardiology, **30**, pp. 545-548.

2137. ✍-Ndubuisi Ekekwe (2009) Reconfigurable application-specific instrumentation and control integrated systems. PhD thesis, ohns Hopkins University, Maryland, USA, 241 pages

2138. ✍-Тодор В Стоянов (2004) Компютърна обработка и анализ на електрокардиограми. Дисертация за Доктор, БАН.

Batchvarov VN, Christov II, Bortolan G, Govindan M, Behr ER (2009) Automatic assessment of right ventricular repolarisation heterogeneity during diagnostic ajmaline test for suspected Brugada syndrome. Computers in Cardiology, 36, pp. 297-300

2139. ✍-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.

Bortolan G, Christov I, Simova I, Dimitrov N (2012) Clinical characterization of the QRS complex and T wave heterogeneity during stress test ECG. European Medical Physics and Engineering Conference, Sofia, 18-20 October, pp. 76-84, ISBN: 978-954-91589-3-9.

2140. ✍-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.

Bortolan G, Bressan M, Christov I (2003) Gender and Age Influences in T-Loop Morphology, *IEEE Computers in Cardiology*, 30, pp. 513-516.

2141. ✍-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.

Bortolan G, Bressan M, Christov I (2002) Longitudinal modifications of the T-loop morphology, *IEEE Computers in Cardiology*, 29, pp. 685-688.

2142. ✍-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.

Christov I, Bortolan G, Simova I (2013) Load dependent changes of cardiac depolarization and repolarization during exercise ECG test. Computing in Cardiology, 40, pp. 547-550

2143. *-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*

Simova I, Bortoan G, Kambova L, Christov I, Katova T (2015) Episodes of T-wave and QRS complex alternans in haemodialysis patients. EC Cardiology, 2, (1), pp. 60-67,

2144. *-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*

Simova II, Denchev SV, Christov II, Matveev MG (2007) Comparison of flow mediated dilatation and QT interval dispersion as noninvasive methods for evaluation of coronary artery disease. The Online Journal of Cardiology, Medical Teaching, McGill CME Cardiology

2145. *-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*

Christov I, Bortolan G, Simova I, Katova T (2011) Influence of diabetes mellitus on T wave and QRS complex alternans during stress ECG testing. Computing in Cardiology, 38, pp. 49-52

2146. *-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*

Levkov C, Mihov G, Ivanov R, Daskalov IK, Christov I, Dotsinsky I (2004) Subtraction Method for Powerline Interference Removing from ECG, ed. Technical University – Sofia, Thirteenth International Conference Electronics 2004, Sozopol, 22-24 September, book 1, pp 3-14.

2147. *-Verulkar NM, Zope PH, Suralkar SR (2012) Filtering techniques for reduction of power line interference in electrocardiogram signals. Int J. of Engineering, 1, (9), pp. 1-7, ISSN: 2278-0181.*

Neycheva T, Stoyanov T, Abächerli R, Christov I (2013) High resolution 16-channel ECG tester simulator for online digital-to-analogue conversion of data from PC. Computing in Cardiology, 40, pp. 457-460

2148. *-Nieto JA, Velandia CC, Vanegas Cortes DA, Barajas JG (2014) Medición de la frecuencia cardiaca instantanea a través de la interfaz gráfica creada en ide guide. Conf: Tendencias en Investigación de los Semilleros de Investigación en Ingeniería Electrónica, May 14-15; Universidad Santo Tomás, Bogotá, Colombia, pp. 100-103*

Dotsinsky, IA, Christov, II, Daskalov, IK (1996) DC amplification and recording of biosignals, Seventh national conference on biomedical physics and engineering with international participation, Sofia, 17-19 October, pp. 104-106.

2149. *-Petrova G (1999) Introduction to signal and image processing. Submodule 2: Introduction to biomedical signal processing. Inter-University Centre for Education on Medical Radiation Physics and Engineering, TEMPUS S-JEP 09826, pp. 1-53.*

Доцински И, Христов И (1990) 3-байтово аналого-цифрово преобразуване. Първа национална научно приложна конференция "Електронна техника ЕТ`90, Дюни, 1-5 октомври, стр. 254-257.

2150. *-Нгеун Кует Тханг (1994) Изследване на структурите на модули АЦП към микрокомпютри и методите за тестване. Дисертация КТН, Технически университет – София.*

Доцински И, Христов И (1985) Аналогово-цифрово преобразуване на електрокардиографски сигнали. Втора младежка научна конференция по биомедицинска техника с международно участие. Варна, Златни пясъци, октомври, стр. 8.

2151. *-Мариана Димитрова Вълкова (1990) Автоматична обработка и анализ на физиологични сигнали при подбор на работещи в екстремални условия. Дисертация КТН, Технически университет, София.*

Доцински И, Христов И (1994) Един подход за получаване на многоканални електрокардиограми, Трета национална научно-приложна конференция "Електронна техника 94" с международно участие, Созопол, 28-30 септ., стр. 11-16.

2152. *-Михов Георги (2013) Изследване и усъвършенстване на субтракционния метод за отстраняване на смущения от електрокардиографски сигнали. Дисертация за "Доктор на науките", Техн. Унив. – София, 270 стр.*

Христов И, Доцински И (1985) Устройство за аналогово-цифрово преобразуване на електрокардиографски сигнали. No 40500.

2153. *-Мариана Димитрова Вълкова (1990) Автоматична обработка и анализ на физиологични сигнали при подбор на работещи в екстремални условия. Дисертация КТН, Технически университет, София.*

Dotsinsky IA, Christov II, Daskalov IK, Atanassova E (1994) High quality recording of noninvasive electrogastrograms, 5-th international symposium on biomedical engineering, Santiago, Spain, 26-28 September, pp. 171-172.

2154. *-Ye Yiyao, Martínez de Juan JL, Garcia Casado J, Ponce JL (2005) Blind separation of electrocardiogram interference from bowel myoelectrical surface recording, European Medical & Biological Engineering Conference, IEEE, Prague, Czech Republic, Editors: IEEE, November, 2005. CD-ROM Article No 2445.*

Christov I (2006) Power-line interference elimination from ECG: dynamic evaluation of the linearity criterion. Electrotechnika & Electronica E+E, 7-8, pp. 34-39.

2155. *-Михов Георги (2013) Изследване и усъвършенстване на субтракционния метод за отстраняване на смущения от електрокардиографски сигнали. Дисертация за "Доктор на науките", Техн. Унив. – София, 270 стр.*
2156. *-Mihov G (2006) Investigation of the linearity criterion in the subtraction method for removing powerline interference from ECG. Fifteenth International Scientific and Applied Science Conference Electronics 2006, Sozopol, 20-22 September, book 3, pp. 110-116.*

Simova I, Christov I (2007) Sources of variation in the QT readings: what should you be aware of?, lecture notes, invited lecture at QT. Prolongation and Safety Pharmacology, Paris, 13-14 March, Bioautomation, 6, pp. 78-91.
2157. *- Bhoi AK, Sherpa KS (2014) QRS complex detection and analysis of cardiovascular abnormalities: A review. Int. J. Bioautomation, 13, (3), PP. 181-194.*
2158. *-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*

Christov II, Dotsinsky IA (1990) Recording vectorcardiographic loops with a microdot thermal printer, *Frontiers of Med. and Biol. Eng*., **2**, 1, pp. 37-42.
2159. *-Rasi G, Fiavey NP, Pfreundner L, Iwai H, Workman EA, et al (2008) Disease relevance of VPS39. Wikigenes Evolutoinary knowledge, http://www.wikigenes.org/e/gene/e/23339.html*

Bortolan G, Christov I (2014) Dynamic filtration of high-frequency noise in ECG signal. Computing in Cardiology, 41, pp. 1089-1092
2160. *- Тулякова О, Трофимчук АН, Будник НН, Стрижак АЕ (2015) Сравнительный анализ локально-адаптивных нелинейных фильтров для комплексной модели одномерного сигнала. Радіоелектронні і Комп'ютерні Системи, 2, (72), pp. 97-111, ISSN 1814-4225.*

Simova I, Christov I, Bortoan G, Abacherly R, Kambova L, Jekova I (2015) Hemodialysis-induced ST-segment deviation. Computing in Cardiology, 42, pp. 1133-1136
2161. *-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*

Simova I, Christov I, Kambova L, Bortolan G, Katova T (2014) QRS and T loops area changes during haemodialysis. Computing in Cardiology, 41, pp. 409-412
2162. *-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*

Simova I, Bortoan G, Kambova L, Christov I, Katova T (2015) Episodes of T-wave and QRS complex alternans in haemodialysis patients. EC Cardiology, 2, (1), pp. 60-67
2163. *-Simov D (2016) Electrocardiographic changes in certain cardiovascular physiological and pathological settings. Impact on coronary artery baypass grafting. Int. J. of Bioautomation, 20, (1), pp. 43-68.*

Abächerli R, Kobza R, Christov I, Frey F, Erne P (2011) Do the ECG axis and intervals depend on the heart rate and on the body habitus? Computing in Cardiology, 38, pp. 825-828, ISSN 0276-6574.
2164. *-Walther Schulze (2015) ECG imaging of ventricular activity in clinical applications. Doktor-Ingenieurs Dissertation, Karlsruher Instituts fur Technologie, In: Karlsruhe Transactions on Biomedical Engineering, vol. 22, 230 pages.*

Christov I, Simov D, Dotsinsky I, Simova I (2016) Increase of electrical impedance following hemodialysis is not the reason for QRS augmentation. Annals of Noninvasive Electrocardiology. 21, (2), page 214
2165. *-Astan R, Ozeke O (2016) Theories and controversies on mechanism of electrocardiographic changes during hemodialysis: Reply to Christov et al. Annals of Noninvasive Electrocardiology. 21, (2), pp. 215-216*

Левков Ч, Пунджев В, Христов И (1981) Микропроцесорно управление на печатащ механизъм "ИЗОТ-310". сп. "Електропромишленост и приборостроене", кн. 6, стр. 242-245.
2166. *-Барутски Й, Митов И (1983) Техническо и програмно осигуряване за управление на печатащо устройство "ИЗОТ-310" с микропроцесорна система за развитие "ИЗОТ 470 РС". Централна лаборатория по автоматизация, годишник, том 9, стр. 155-161.*

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