

## ANNIVERSARY

### The 75th Birthday of Emeritus Professor Anthony Greville (Tony) Shannon



Emeritus Professor Anthony Shannon was born in Mosman, Sydney, on 30 September 1938.

#### Professional background

Prof. Tony Shannon has a first class honours degree and doctorates in:

- pure mathematics (Ph.D.: number theory) – thesis topic: “Some number theoretic properties of arbitrary order recursive sequences”,
- education (Ed.D.: philosophy) – dissertation topic: “A Thomistic evaluation of John Dewey and the foundations of education”, and
- science (D.Sc.: epidemiology and public health) – thesis topic: “Interdisciplinary contributions to the diagnosis and management of diabetes mellitus”.

As well as being educated in Sydney (first degree), Oxford (post-doctoral), and Cambridge (WHO Scholar), Prof. Tony Shannon’s academic visits have included Universidad de Navarra, Pamplona, Spain (1981), Hong Kong Polytechnic University (1997, 2001), UCLA (1975), Campus Bio-Medico, Rome (1995) and Pontificia Università della Santa Croce (PUSC), Rome (1998, 2002), a Patron of the Foundation of the PUSC, Staff Seminars at Department of International Relations Istanbul Kültür Üniversitesi, Turkey (2009), and Department of Mathematics & Computer Science Seminar, Bahçeşehir University, Istanbul, Turkey (2009), and Harvard (1994, 2009, 2010). Prof. Tony Shannon’s substantive position for the last ten years has been Master of Warrane College at the University of New South Wales.

Prof. Tony Shannon’s employment has included school teaching in Sydney and London, the Royal Australian Navy, University of New England and University of Technology, Sydney (where he was the Foundation Dean of the University Graduate School), Prince of Wales Hospital, Randwick, and the University Hospital, Cardiff, Wales. Other professional experience has included the Australian Council for Educational Research in Melbourne, and as an Australian Research Council Industrial Fellow with the TCG Group of Companies in Sydney.

Prof. Tony Shannon is also in demand as a higher education consultant, principally as an Auditor for the Australian Universities Quality Agency which is becoming part of the Tertiary Education Quality and Standards Agency in Melbourne in 2011, a Higher Education Assessor with the New South Wales Department of Education and Training, a Subject Specialist with the Hong Kong Council for Accreditation of Academic and Vocational Qualifications, and as a ‘Research Coach’ at the Queensland University of Technology in Brisbane.

Prof. Tony Shannon has supervised more than twenty research degree candidates over the years and he is currently keeping his hand in teaching with PhD supervision at the University of Sydney and by running a *Diploma of Educational Studies* program for higher education tutors. Warrane College is accredited to run the course by the College of Teachers at the University of London, Institute of Education.

Prof. Tony Shannon has been on the editorial boards of many professional journals. Currently he is on the editorial boards of *Education Today*, *International Journal of Mathematical Education in Science and Technology*, *International Journal Bioautomation*, *Notes on Intuitionistic Fuzzy Sets*, *Notes on Number Theory & Discrete Mathematics* (Co-Editor in Chief), *Advanced Studies in Contemporary Mathematics* (Managing Editor), and *Proceedings of the Jangjeon Mathematical Society* (Managing Editor). He is also a life member of several professional societies, including the *Indian Mathematical Society* and the *Australian College of Educators* for whom he was the New South Wales President in 1991-1992.

For his “services to education, particularly in the field of applied mathematics”, Prof. Tony Shannon was invested as a Member of the Order of Australia in the Honours List on the occasion of the official birthday of Queen Elizabeth II in 1987.

#### **Research interests**

Prof. Tony Shannon is a co-author of several hundred papers, books and conference presentations in number theory (especially recurrence relations) and biomathematics where he works in epidemiology in endocrinology, particularly in the mathematical modeling of diabetes mellitus (DM). His interest in DM was sparked when he and his late wife, Marie, who had suffered from a very brittle form of DM1 since infancy, lived in different parts of the world and found very different approaches to her therapy. Investigations of the primary medical literature revealed deficiencies in some of the experimental designs and statistical analyses. He then approached Novo Nordisk, the major world supplier of insulin, with headquarters in Copenhagen in Denmark. They put him in touch with several research and clinical Professors of Medicine, including Professor David Owens (University of Cardiff) and Professor Steve Colagiuri (Universities of New South Wales & Sydney) with whom he began long and fruitful collaborations.

**The Editorial Board of *International Journal of Bioautomation*  
wishes a lot of health, further achievements  
and happiness to Prof. Tony Shannon**