



## **Professor Tony Moon**

### **Brief Summary:**

Professor Tony Moon graduated with First Class Honours from the University of Melbourne, receiving his PhD in Physics in 1970. He was elected Fellow of the Australian Institute of Physics in 1976. He is now Professor Emeritus at the University of Technology, Sydney.

Tony has more than 30 years' experience in managing substantial academic units, including 3 terms as Dean of a large and diverse Faculty of Science, as well as terms as Dean of the University Graduate Research School, acting Deputy Vice Chancellor and acting Deputy Vice Chancellor (Research). He has been Chair of the UTS Academic Board and in that role an *ex-officio* member of the UTS Council.

He was a long term member of the board of the UTS company, *Insearch* Limited. He has also been a board member or member of the executive, of a number of substantial organisations including two Biotechnology companies, the Northern Medical Research Foundation, the Australian Council of Deans of Science, and the Executive of the Australian Institute of Physics. He served 4 terms as Honorary Treasurer and director of the company *UTS Union* Limited which provides non-academic services to UTS students and staff.

Tony has more than 30 years teaching, research and research management experience in Australia, Germany, Sweden, USA and Thailand. His research has focussed on computer modelling and simulation techniques, as well as the use of microscopy (electron, optical and atomic force), spectroscopy and electron diffraction techniques for materials characterization down to the nanoscale-level. His work has received international recognition at the highest levels. He has also established world-class Australian Research Council-funded facilities at UTS to support this research. His work has also assisted the development and commercialization activities of a number of Australian companies. He has supervised a substantial number of PhD students to completion. He is currently supervisor to one Thai PhD student, also acting as mentor to several other PhD students.

### **Links with Thailand**

Tony has initiated and managed substantial industry & government research grants and contracts (AusAID, World Bank). In this latter role in the 1990s he managed a long term, multi-University staff development program on enhancing Science Teaching and Research capabilities in Thailand. He was awarded an Honorary Doctorate in Physics (2003) and an Honorary Doctorate in Technology Management (2006) in recognition of this work.

He continues to maintain strong links with Thai Universities and with Thai Alumni. He played a major role in 2 Australia-Thailand Institute (ATI) activities (on Cultural Diversity issues and the situation in Southern Thailand; on University Governance). In recent years, with the support of Australian Education International and AusTrade at the Australian Embassy in Bangkok, he has facilitated 3 Thai-Australian Research Symposium involving several Thai and Australian universities; conducted 4 workshops on changes in doctoral education and supervisory practices internationally (most recently at KMUTT in August 2014). He successfully arranged the first joint doctoral program between an Australian and a Thai University (Mahidol) and regularly facilitates research student exchanges and internships between Thai universities and UTS.

For more than 20 years he has maintained regular contact with the Royal Thai Government's Consul General's office in Sydney and with the Education Counsellor at the Embassy in Canberra, providing assistance and advice. In conjunction with the Consul-General's office he facilitated the visit to UTS in 2000 of HRH Princess Maha Chakri Sirindhorn.

He has been the principal advisor to an *AusAid* Leadership Fellow (from Mahidol), two *Endeavour* Postdoctoral Fellows (from NANOTEC and PNRU) and two *Endeavour* Executive Fellows from Thailand (from OHEC and PNRU). He also continues his work at UTS in the office of the Senior Deputy Vice Chancellor, principally on Quality Assurance matters related to doctoral education. He acts as a mentor to

the UTS Thai Students' Society. He regularly represents UTS at Thailand-related activities, both in Thailand and in Australia. He is a long-term member of the *Australian Thai Business Council*.

When another Sydney university removed the teaching of Thai language from its course portfolio he arranged for it to continue at UTS, lobbying Australian firms with a Thailand presence for financial support. He spoke at the Australian Thai Chamber of Commerce in Bangkok and met on a number of times with senior officials in the Thai Ministry of Cultural Affairs and also with the Thai Ministry of Foreign Affairs to this end. After a three year trial 2006 – 2008, UTS reluctantly ceased offering Thai language as a language study option.

Tony was awarded the UTS Staff Alumni award in 2007 for his work with Thai alumni and the UTS Distinguished Service Award in 2013 for his service to UTS and its community.