

## **Biography**

Professor Faraone is a Member of the Order of Australia (AM), and a Fellow of the Institute of Electrical & Electronic Engineers (FIEEE), the Australian Academy of Science (FAA), and the Australian Academy of Technological Sciences and Engineering (FTSE). He has published more than 200 international journal papers on his research work, and supervised more than 30 PhD student completions. He is currently Head of the Microelectronics Research Group (MRG) at The University of Western Australia (UWA), and Director of the WA Centre for Semiconductor Optoelectronics and Microsystems (WACSOM). Prior to joining UWA in 1987, he worked primarily in the area of CMOS-based microelectronics and non-volatile memory technology with RCA Labs in Princeton, NJ, USA. Since joining UWA he has worked on compound semiconductor materials and devices, including AlGaIn/GaN HEMTs, HgCdTe-based infrared sensor technology and MBE growth, as well as optical MEMS technologies for infrared applications. The research activities of the MRG also include the application of mobility spectrum techniques for magneto-transport studies in advanced semiconductor nanostructures.