Education

* Ph.D., School of Electrical and Electronic Engineering, Nanyang Technological University (1998)
* M.Eng., School of Electrical and Electronic Engineering, Nanyang Technological University (1992)
* B.Eng. (First Class Honours), University of Aberdeen, U.K. (1990)

Work Experience

* Associate Professor, School of EEE, Nanyang Technological University (NTU)  (2005 - now)
* Research Director, Centre of Hardware Assurance – Circuit Analysis, Temasek Laboratories@NTU) (2019 – now)
* Assistant Chair (Outreach), School of EEE, NTU (2017 – now)
* Member, NTU Teaching Council, NTU (2014 – now)
* Assistant Chair (Students), School of EEE, NTU (2008 – 2014)
* Assistant Professor, School of EEE, NTU (1999 – 2005)
* Lecturer, School of Engineering, Temasek Polytechnic (1995 – 1999)
* Teaching Assistant, School of EEE, NTU (1992 – 1995)
* Teaching Assistant, School of EEE, NTU (1992 – 1995)
* Research Engineer, Human Interface Engineering, Seiko Instruments (1990 – 1992)

Professional Activities

**Editorial Boards**

* Associate Editor, IEEE Transactions on Circuits and Systems II - Express Briefs, USA (2018 – now)
* Associate Editor, IEEE Transactions on Circuits and Systems I – Regular Papers, USA (2012 – 2013)
* Associate Editor, IEEE Transactions on Circuits and Systems II - Express Briefs, USA (2010 – 2012)
* Associate Editor, Journal of Circuits, Systems and Signal Processing, USA (2007 – 2012)
* Guest Editor, Guest Editor of Special issue in IEEE Transactions on Circuits and Systems II on ISICAS (2018)

**Technical Committees**

* Chair,  Digital Signal Processing (DSP) Technical Committee, IEEE Circuits and Systems Society (2018 - now)
* Secretary,  Digital Signal Processing (DSP) Technical Committee, IEEE Circuits and Systems Society (2016 - 2018)
* Member, VLSI Systems and Applications (VSA) Technical Committee, IEEE Circuits and Systems Society (2005 - now)
* Member, Biomedical Circuits and Systems (Bio-CAS) Technical Committee, IEEE Circuits and Systems Society (2010 - now)
* Member, Life Science Systems and Applications (LiSSA) Technical Committee, IEEE Circuits and Systems Society (2005 - 2010)
* Deputy Chair, IEEE Circuits and Systems Chapter in Singapore (2017 - 2018)
* Chair, IEEE Circuits and Systems Chapter in Singapore (2016 - 2016)
* Chair, IEEE Circuits and Systems Chapter in Singapore (2013 - 2013)
* Deputy Chair, IEEE Circuits and Systems Chapter in Singapore (2010 - 2011)
* Treasurer, IEEE Circuits and Systems Chapter in Singapore (2008 - 2009)
* Deputy Chair, IEEE Circuits and Systems Chapter in Singapore (2007 - 2007)
* Chair, IEEE Circuits and Systems Chapter in Singapore (2005 - 2006)
* Deputy Chair, IEEE Circuits and Systems Chapter in Singapore (2000 - 2001)

**Conference Organizing Committees**

* General Co-Chair, IEEE Systems-on-Chip Conference (SOCC), Singapore, 2019.
* General Co-Chair, IEEE Digital Signal Processing (DSP), Shanghai, China, 2018.
* Track Chair, IEEE International Symposium on Circuits and Systems DSP Track, (ISCAS), 2016 – 2020.
* Technical Program Co-Chair, International Symposium of Integrated Circuits (ISIC), Singapore, 2016.
* Local Arrangement Co-Chair, IEEE Digital Signal Processing (DSP), Singapore, 2015.
* Publicity Co-Chair, Asia and South Pacific Design Automation Conference (ASP DAC), Singapore, 2014.
* Technical Program Committee, Asia and South Pacific Design Automation Conference (ASP DAC), Japan, 2013.
* Technical Program Committee, International Symposium on VLSI Design, Automation and Test (VLSI DAT), Taiwan, 2012 – 2013.
* Technical Program Chair, International Symposium of Integrated Circuits (ISIC), Singapore, 2011.
* Technical Program Committee, International Symposium on Communications and Information Technologies (ISCIT), 2010.
* Technical Program Committee, Pacific Signal and Information Processing Association (APSIPA), 2010.
* Technical Program Committee, IEEE Asia Pacific Conference on Circuits and Systems (APCCAS), 2010.
* Technical Program Committee, IEEE Workshop on Biomedical Circuits and Systems (BioCAS), 2008 - 2010.
* Technical Program Chair, International Symposium of Integrated Circuits (ISIC), Singapore, 2007.
* Publication Chair, IEEE Asia Pacific Conference on Circuits and Systems (APCCAS), Singapore, 2006.
* Steering Committee Member, IEEE Asia Pacific Conference on Circuits and Systems (APCCAS), 2005 - 2007.
* Local Arrangment Co-Chair, IEEE Workshop on Biomedical Circuits and Systems (BioCAS), Singapore, 2004.

Courses Taught

* NM6008 – Digital IC Design Lab for NTU-TUM MSc (IC Design)
* EE4340 – VLSI Systems
* EE3019 – Integrated Electronics
* EE2004 – Digital Electronics
* E327 – Engineering Design III (D304 – Design of a Semicustom IC)
* EE2002 – Analog Electronics
* EE2072 Laboratory (L223 BJT Amplifier Design)
* EE1071 Laboratory