

Sensing and Signal Processing Based on Microwave Photonics

A Seminar of the IEEE WA joint EDS/SSCS/IPS Chapter

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Friday, 17 January 2020 @ 12.00 PM

**Venue: Billings Room 3.04, 3rd floor. Electrical & Electronic Engineering Building
University of Western Australia, Crawley**

This seminar is open to the public and admission is free to all IEEE members and non-members

Biography:

Linh Nguyen graduated from the University of Adelaide with BSc and BE in 1991 and 1992, respectively. He then went on to complete his PhD in Electrical and Electronic Engineering at the University of Melbourne in 1997. He has been with Defence Science & Technology Group since 2001 as a Research Scientist. In 2015, he was appointed as the Adjunct Associate Professor in the School of Electrical and Information Engineering, University of Sydney, where his research interests are in the areas of integrated photonics for wideband analogue signal processing and sensing.

Abstract:

Radiofrequency (RF) photonics has attracted great interest for wideband signal processing and high-performance sensing applications. This presentation reviews the photonic research activities within the School of Electrical and Information Engineering, University of Sydney. In particular, the focus is on new capabilities that integrated photonics bring and enhance RF engineering. In the context of wideband signal processing, RF refers to "actual" RF, microwave and millimetre-wave signals.