



MQ Photonics Research Centre Seminar



Speaker: Dr Shaghik Atakaramians

When: Wednesday 11 March 2020

Time: 2pm

Where: Multipurpose room, 2.300 7WW

Title: Terahertz planar waveguides: Potential platform for next generation of short range wireless communications

Abstract: The need for image-rich and fast services has mandated a great demand for wireless networks with high capacity data links. A favoured solution is to consider the unlicensed terahertz (THz) frequency range. As a result, there has been significant attention to developing physical layer components. I will present my group work at UNSW, where we investigate new potential planar platforms for next generation of short range wireless communications.

Bio: *Shaghik Atakaramians is a Scientia Fellow at the School of Electrical Engineering and Telecommunications at UNSW Sydney, where she has established the THz laboratory and initiated a new research direction. She worked at the Institute of Photonics and Optical Science (IPOS) and The Centre for Ultrahigh bandwidth Devices for Optical Systems (CUDOS) at the University of Sydney as a postdoctoral and research fellow (2011-2017). She was awarded ARC DECRA in 2014. She received her PhD in Electrical & Electronic Engineering from Adelaide University with the University Doctoral Research Medal for outstanding research (2011).*