



MQ Photonics Research Centre Seminar

Title: Mid-infrared fibre photonics

The last decade has witnessed a marked improvement in the extracted power, optical efficiency and range of available wavelengths emitted from optical fiber light sources designed for emission in the mid-infrared. This talk will briefly review the major advances leading to these improvements and will outline the challenges ahead.



Prof. Stuart Jackson

Bio:

Stuart Jackson is a Professor at the School of Engineering at Macquarie University. He received the BSc (Hons) degree from the University of Newcastle (Australia) and his PhD from Macquarie University. He initiated research in high power fibre lasers at the University of Manchester. He then joined the University of Sydney, first in the Optical Fibre Technology Centre, and later in the School of Physics. He was Leader of "Mid-infrared Photonics" within the ARC Centre of Excellence Centre for Ultrahigh-bandwidth Devices for Optical Systems (CUDOS), and moved to the School of Engineering at Macquarie University in 2014.

His contributions to the field of mid-infrared fibre lasers include fundamental glass spectroscopy, optical fibre fabrication, the invention and demonstration of fibre lasers and the application of fibre lasers in medicine, defence and nonlinear optics, and he has a keen interest in mid-infrared optics and photonics. He is a member of the OSA and a senior member of the IEEE.

When: Thursday 23 May 2019

Time: 3 pm

Where: Multipurpose room, 2.300 7WW