

# MQ Photonics Research Centre Seminar



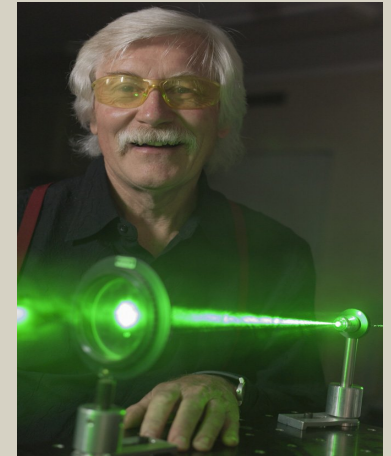
**Speaker:** Emeritus Prof. Hans-Albert Bachor

**Title:** Recent Trends in Quantum Optics Research

**When:** Tuesday 24 September 2019

**Time:** 2pm

**Where:** Multipurpose room, 2.300 7WW



**Bio:** Prof. Hans-Albert Bachor is Emeritus Professor at the Australian National University. He was formerly the Director of the Australian Research Council Centre of Excellence for Quantum-Atom Optics (ACQAO), a national centre to study atoms and light at the quantum level. He received his doctorate in Physics from the University of Hannover, Germany. He moved to Australia in 1981 to the Australian National University (ANU) where he has been teaching Physics at all levels with great enthusiasm and success. Hans established experimental quantum optics in Australia and has pioneered techniques for sensitive measurements beyond the quantum noise limit, for improving optical sensors, interferometers and optical communication.

He has made notable contributions to the Australian Research Council, the European Research Council and the Australian Optical Society. He holds many awards and distinctions, including the Humboldt Research Prize (1999), Fellow of the Institute of Physics (UK), the Australian Institute of Physics (AIP) and the Optical Society of America, and recipient of the AIP Walter Boas medal (2000), the AIP award for contributions to Physics (2009), the IOP/AIP Harrie Massey Medal (2010) and the AOS Beattie Steel medal (2010). He was awarded Membership in the Order of Australia (AM) on Australia day 2012, recognizing his achievements as researcher and educator. He is chairman of the National Youth Science Forum in Australia and a presenter on the history, future and impact of laser and quantum technology.