

QAMSS Lectures: *Michaelmas 2023*

Cambridge Graphene Centre Seminar Room-4 pm:

06th October 2023: Dr Valerio Piazza, EPFL Switzerland

Title: *Compound Nanowires For Optoelectronics*

11th October 2023: Prof. Alberto Sangiovanni Vincentelli, UC Berkeley, USA

Title: *IC-Based System-Design And The Role Of AI*

13th October 2023: Dr Alex Davies, Tokamak Energy, Oxford

Title: *High-Temperature Superconducting Magnet Technology for Fusion Energy*

20th October 2023: Prof. Edward Wasige, University of Glasgow, Scotland

Title: *Terahertz Electronics Technologies For A Connected And Sustainable Future*

03rd November 2023: Prof. Dr Peter Michler, University of Stuttgart, Germany

Title: *Quantum-Dot Quantum Light Sources For Quantum Photonic Networks*

17th November 2023: Prof. Tianhong Cui, University of Minnesota, USA

Title: *Graphene Biosensors For Point-Of-Care Diagnostics*

24th November 2023: Prof. Erik Gauger, Heriot-Watt University, Scotland

Title: *Quantum Energy Harvesting Based On Collective Light-Matter Effects*

01st December 2023: Dr Filippo Giannazzo, CNR-IMM, Italy

Title: *Integration of 2D materials with the wide-bandgap semiconductors technology platform: status and application perspectives*

08th December 2023: Prof. Val Zwiller, KTH Royal Institute of Technology, Sweden

Title: *Generation, manipulation and detection of single photons*

15th December 2023: Dr. Ljiljana Fruk, University of Cambridge, UK

Title: *Bio-nano Tools in Medicine: From in vivo Biosensors to Drug Delivery*



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