

Graphene-based Technologies
Queen Mary University of London, 20 February 2015
Programme

- 09:30 Arrival
- 09:55 Welcome
Rob Lewis, Chairman IET Antennas and Propagation Network
- Keynote Speaker**
Graphene Photonics and Optoelectronics
- 10:00 *Andrea Ferrari, Director, Cambridge Graphene Centre and Head of the Nanomaterials and Spectroscopy Group, University of Cambridge Engineering Department and Nanoscience Centre*
- 10:35 Graphene microwave measurement and NEMs applications
Dr Ling Hao, National Physical Laboratory (NPL)
- 11:00 **Break**
- 11:20 Graphene devices for high frequency applications
Professor Henri Happy, Institute of Electronic, Microelectronic and Nanotechnology (IEMN), University of Lille
- 11:45 Poster 'lightning' presentations
- Optical and Electrical Properties of Multilayer CVD Graphene on GaAs
Hong-Yoel Kim, School of Materials, University of Manchester
 - Design and Modelling of Graphene based Attenuator
Ting Leng, School of Electrical and Electronic Engineering, University of Manchester
 - Graphene as a novel single Photon Counting Optical and IR Photodetector
Jamie Williams, Department of Physics & Astronomy, University of Leicester
 - Study of graphene based ultra-thin flat lenses
Haider Butt, School of Mechanical Engineering, University of Birmingham
 - Measurement of Graphene at Microwave and THz Frequencies
Dr Anestis Katsounaros, Queen Mary University of London
 - Modelling of Graphene Transistors for RF and THz Applications
Mr Jing Tian, Queen Mary University of London
- 12:15 **Lunch** (Poster session)
- 13:30 Graphene-based Composites
Professor Nicola Pugno, Professor of Solid and Structural Mechanics at the University of Trento
- 13:55 Microwave-to-terahertz characterization and applications of CVD graphene
Professor Norbert Klein, Professor of Electromagnetic Materials Director of Imperial's Centre for Terahertz Science and Engineering Department of Materials, Imperial College London

- 14:20 CVD Enabled Graphene Manufacture and Technology
Dr Stephan Hofmann, Department of Engineering | University of Cambridge
- 14:55 **Break**
- 15:15 Emerging Graphene Technologies: Flexible Transparent Conductors
Moon Kang, Department of Engineering, Electrical Engineering Division | University of Cambridge
- 15:40 Microwave radiation and absorption from CVD Graphene
Yang Hao, Professor in Antennas and Electromagnetics, School of Electronic and Computer Science, Queen Mary University of London
- 16:05 Design and Fabrication of The Graphene Broadband CPW Monopole Antenna
Xiao Zhang, School of Electrical and Electronic Engineering, University of Manchester
- 16:30 Closing remarks
- 16:40 Finish