

CAPE-CIKC Advanced Technology Lectures: Lent 2012

CAPE ATRIUM-4 pm:

- 13th January 2012** Dr Shakil A. Awan *Graphene-Based Radio Frequency Electronics*
(Nokia Research Centre, Cambridge, UK)
- 20th January 2012** Dr Frank H.L. Koppens *Graphene: A New Platform For Capturing And Manipulating Light At The Nanoscale*
(Institute of Photonic Sciences, Barcelona, Spain)
- 27th January 2012** Prof. Rong Zhang *III-Nitride Quantum Wells And Optoelectronic Devices*
(Nanjing University, Nanjing 210093, China)
- 3rd February 2012** Prof. Hyeon Suk Shin *Functionalized Graphene And Its Applications*
(Ulsan National Institute of Science & Technology, Korea)
- 10th February 2012** Prof. Hsiung Chou *Spin Current Control In ZnO-Based Diluted Magnetic Oxides*
(National Sun Yat-sen University, Kaohsiung, Taiwan)
- 17th February 2012** Dr James Elliott *Multiscale Modeling of Thermal, Electrical And Mechanical Properties of Nanotube-Polymer Composites*
(Materials Science and Metallurgy, Cambridge, UK)
- 24th February 2012** Dr Eros Mariani *Electromechanical Properties of Graphene Membranes*
(University of Exeter, UK)
- 2nd March 2012** Dr Massimiliano Cavallini *Tailoring Physical Properties Of Functional Materials By Bottom-Up Nanofabrication*
(Institute for Nanostructured Materials, CNR, Bologna, Italy)
- 9th March 2012** Dr Leonid Ponomarenko *Graphene Heterostructures: Electronic Properties And Prospects For Applications*
(University of Manchester, UK)
- 16th March 2012** Dr Miriam Vitiello *Nanophotonics Approaches For Terahertz Detection*
(Scuola Normale Superiore, Pisa, Italy)
- 23rd March 2012** Dr Morten Ibsen *Periodic Fibre Devices: Photonic Applications in All-Optical Wavelength-Conversion and Pulse Shaping, and Fibre Lasers*
(University of Southampton, UK)
- 30th March 2012** Prof. Paolo Samorì *Supramolecular Electronics: Towards Multifunctional Systems And Devices*
(Université de Strasbourg & CNRS, France)



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Advanced Manufacturing Technologies for Photonics and Electronics –
Exploiting Molecular and Macromolecular Materials