

# CAPE-CIKC Advanced Technology Lectures: Michaelmas 2012

## CAPE ATRIUM-4 pm:

**12<sup>th</sup> October 2012** Dr Fabio Pulizzi  
(Nature Nanotechnology, London, UK)

*Publishing Nanoscale Science And Technology  
At The Cutting Edge*

**19<sup>th</sup> October 2012** Dr Christos Dimitrakopoulos  
(IBM, T. J. Watson Research Center, USA)

*Wafer-Scale Epitaxial Graphene And  
Graphene Nanoribbon Arrays On SiC*

**26<sup>th</sup> October 2012** Dr Valerio Pruneri  
(ICFO, Barcelona, Spain)

*Flexible Optoelectronics Using Ultrathin Layers  
And Nanostructured Surfaces*

**2<sup>nd</sup> November 2012** Prof. Jeremy O'Brien  
(University of Bristol, UK)

*Integrated Quantum Photonics*

**9<sup>th</sup> November 2012** Prof. Ulrich Keyser  
(Cavendish Laboratory, Cambridge, UK)

*Single Molecule Biosensing & DNA Origami Nanopores*

**16<sup>th</sup> November 2012** Prof. Clemens Kaminski  
(Chemical Engineering and Biotechnology, Cambridge, UK)

*Molecular Sensing With Supercontinuum Radiation  
Generated In Photonic Crystal Fibres*

**23<sup>rd</sup> November 2012** Prof. Pagona Papakonstantinou  
(University of Ulster, UK)

*Graphene For Electrochemical Applications*

**30<sup>th</sup> November 2012** Dr Steve Jones  
(Printed Electronics Limited, UK)

*Digitally Printed Electronics: What Will It Deliver?*

**7<sup>th</sup> December 2012** Felice Torrisi  
(CAPE)

*Ink-Jet Printing Of Graphene And 2d-Materials: A New  
Platform For Cheap, Flexible And Transparent Electronics*

**14<sup>th</sup> December 2012** Dr Sohini Kar-Narayan  
(Materials Science and Metallurgy, Cambridge, UK)

*Piezoelectric Polymer Nanowires For Energy  
Harvesting Applications*