

**CAPE-CIKC Advanced Technology Lectures: Lent 2010**  
**CAPE ATRIUM-4 pm:**

- 15<sup>th</sup> January 2010** Prof Yu Reznikov *Magneto-Optics of Ferromagnetic and Paramagnetic Nanoparticles in Nematics*  
(Institute of Physics, National Academy of Sciences, Kyiv, Ukraine)
- 22<sup>nd</sup> January 2010** Prof. Lars Samuelson *Nanowires: From Materials Science to Physics and Device Applications*  
(Lund University, Sweden)
- 29<sup>th</sup> January 2010** Dr Sharon Baurley *Smart Textiles - The Convergence of Fashion, Materials and Information Technology*  
(University of the Arts, London)
- 5<sup>th</sup> February 2010** Prof Gustavo Cancado *Near-Field Raman Scattering in One Dimensional Systems*  
(Universidade Federal de Minas Gerais, Brazil)
- 12<sup>th</sup> February 2010** Prof Alex Savchenko *Quantum Transport of Electrons in Graphene Structures*  
(Exeter University, UK)
- 19<sup>th</sup> February 2010** Dr Amelia Barreiro *From Nanotube-Based Thermal Motors to Graphene in the High-Current Limit*  
(Delft University, The Netherlands)
- 26<sup>th</sup> February 2010** Prof Richard Friend *Plastic Electronics*  
(Cavendish Laboratory, Cambridge, UK)
- 5<sup>th</sup> March 2010** Dr Phil Jones *Optical Trapping of Micro- and Nano-Particles*  
(University College London, UK)
- 12<sup>th</sup> March 2010** Dr William O'Neill *Challenges and Opportunities in the Research & Development of Next Generation Industrial Lasers*  
(Institute for Manufacturing, Cambridge, UK)
- 19<sup>th</sup> March 2010** Dr Tobias Wirth *Carbon Nanotube Forests: Growth Fundamentals and Adhesive Properties*  
(CAPE)
- 26<sup>th</sup> March 2010** Dr Andrea Li Bassi *Pulsed Laser Deposition of Nanostructured Oxides for Sensing, Biotechnology and Photovoltaics*  
(Politecnico Di Milano, Italy)