

# CAPE Advanced Technology Lectures & Seminars: *Michaelmas 2006*

CAPE ATRIUM-4 pm:

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| <b>6<sup>th</sup> October 2006</b> Dr Erik Bakkers<br>( <i>Philips Research Laboratories, Netherlands</i> )           | <i>Nanowires for Future Electronics</i>   |
| <b>10<sup>th</sup> October 2006</b> Prof. Sigheo Maruyama<br>( <i>University of Tokyo, Japan</i> )                    | <i>Alcohol CVD Generation of Single-Wall Carbon Nanotubes and<br/>Photoluminescence Spectroscopy for Future Chirality Control</i> |
| <b>13<sup>th</sup> October 2006</b> Prof. Ursula Keller<br>( <i>ETH Zurich, Switzerland</i> )                         | <i>Ultrafast Solid-State Lasers: Hitting Harder and Faster</i>  |
| <b>20<sup>th</sup> October 2006</b> Dr Nigel Marks<br>( <i>University of Sydney, Australia</i> )                      | <i>Closing the Gap Between Experiments and Simulations:<br/>Understanding Temperature Effects in Carbon Films</i>                 |
| <b>27<sup>th</sup> October 2006</b> Dr Oksana Trushkevych<br>( <i>CAPE</i> )  | <i>Doped Liquid Crystals for Dynamic Holography</i>   |
| <b>3<sup>rd</sup> November 2006</b> Prof. Bill Crossland<br>( <i>CAPE</i> )   | <i>Liquid Crystal over Silicon (LCOS) Devices &amp; Micro-displays at Cambridge</i>   |
| <b>10<sup>th</sup> November 2006</b> Dr. Gustau Catalan<br>( <i>Earth Sciences Department, Cambridge</i> )            | <i>Ferroelectric Random Access Memories</i>   |
| <b>17<sup>th</sup> November 2006</b> Prof. Piero Migliorato<br>( <i>CAPE</i> )  | <i>Biosensing With Field-Effect Devices</i>   |
| <b>24<sup>th</sup> November 2006</b> Dr Upul Wijyanatha<br>( <i>Hydrogen Solar, UK</i> )                              | <i>Nanocrystalline Metal Oxide Semiconductor Electrodes for<br/>Photoelectrochemical and Spectroelectrochemical Devices</i>       |
| <b>1<sup>st</sup> December 2006</b> Dr David Klenerman<br>( <i>Department of Chemistry, Cambridge</i> )               | <i>Manipulating and Patterning Molecules With a Nanopipette</i>   |
| <b>8<sup>th</sup> December 2006</b> Dr Deborah Prezzi<br>( <i>University of Modena, Italy</i> )                       | <i>The Role of Excitons in the Optical Properties of Carbon Nanotubes</i>   |
| <b>15<sup>th</sup> December 2006</b> Prof. Angel Rubio<br>( <i>Dpto. Fisica de Materiales, U. Pais Vasco, Spain</i> ) | <i>Boron Nitride Nanotubes</i>  |