



FRONTIERS IN PHYSICAL SCIENCES: FROM NEW MATERIALS TO BIOPHYSICS

Lecture Room H 02/2065

University of Southampton, Highfield Campus

Thursday 17 March 2011, 14:00

This half day symposium features the lecture from the **2010 RSC Interdisciplinary Prize and Lectureship Award** winner.

- 14.00 **Phil Bartlett** (Southampton)
Nanocavity Surfaces for SERS
- 14.35 **Jacek Lipkowski** (Guelph , Canada)
SERS studies of a biomimetic membrane supported at a
nanocavities patterned Ag electrode
- 15.10 **Nikolay Zheludev** (Southampton)
The road ahead for metamaterials
- 15.45 tea/coffee
- 16.15 *RSC Award Lecture*
Alexei Kornyshev (Imperial College London)
Physics of DNA & 'love at first sight'
(unraveling hidden abilities encoded into the structure of the most
important molecule)