

"Theory and experiment in mixed carbon / boron nitride nanostructures"

Friday 7th August 2015 - Cedars Hotel, University of Reading

Programme

09.30 – 10.20	Registration / tea and coffee	
10.20 – 10.30	Prof. Anthony Powell , HoD Chemistry	Welcome to the University of Reading
10.30 – 11.00	Prof. Umesh Waghmare , JN Centre for Advanced Scientific Research, India	Exciting physics of 2D materials
11.00 – 11.30	Dr Ricardo Grau-Crespo , University of Reading, UK	Band alignment and gap tuning in carbon-substituted 2D boron nitride
11.30 – 12.00	Dr Robert Palgrave , University College London, UK	Triazine-Based Graphitic Carbon Nitride: a 2D Semiconductor
12.00 – 12.30	Dr Dan Pantos , University of Bath, UK	An organic chemistry approach to h-BNC materials
12.30 – 13.00	Dr John Wallbank , Lancaster University, UK	Graphene/hBN van der Waals heterostructures
13.00 – 14.00	Buffet lunch	
14.00 – 14.30	Prof. Tim S Fisher , Purdue University and Birck Nanotechnology Center, US	Graphene and hBN structures for corrosion protection and enhanced desorption enthalpy
14.30 – 15.00	Dr Elton Santos , Queen's University Belfast, UK	Advanced 2D materials for energy, catalysis and electronics
15.00 – 15.20	Dr Anjali Singh , JN Centre for Advanced Scientific Research, India	Structural instabilities and wrinkles at the grain boundaries in 2D h-BN
15.20 – 15.40	Dr Matthew Horton , Imperial College London, UK	Defects in C-doped boron nitride
15.40 – 16.10	Prof. Angelos Michaelides , University College London (UK)	Water on graphene and hexagonal boron nitride - insight from molecular simulations
16.10 – 17.00	Wine reception	

The event is free to attend, but pre-registration is required due to limited capacity of the venue.

To secure your place please pre-register via email to Ms Catherine O'Hare

(c.l.ohare@reading.ac.uk)