

## "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	<b>Prof. Anthony Powell</b> , HoD Chemistry	Welcome to the University of Reading
10.30 – 11.00	<b>Prof. Umesh Waghmare</b> , JN Centre for Advanced Scientific Research, India	Exciting physics of 2D materials
11.00 – 11.30	<b>Dr Ricardo Grau-Crespo</b> , University of Reading, UK	Band alignment and gap tuning in carbon-substituted 2D boron nitride
11.30 – 12.00	<b>Dr Robert Palgrave</b> , University College London, UK	Triazine-Based Graphitic Carbon Nitride: a 2D Semiconductor
12.00 – 12.30	<b>Dr Dan Pantos</b> , University of Bath, UK	An organic chemistry approach to h-BNC materials
12.30 – 13.00	<b>Dr John Wallbank</b> , Lancaster University, UK	Graphene/hBN van der Waals heterostructures
13.00 – 14.00	Buffet lunch	
14.00 – 14.30	<b>Prof. Tim S Fisher</b> , Purdue University and Birck Nanotechnology Center, US	Graphene and hBN structures for corrosion protection and enhanced desorption enthalpy
14.30 – 15.00	<b>Dr Elton Santos</b> , Queen's University Belfast, UK	Advanced 2D materials for energy, catalysis and electronics
15.00 – 15.20	<b>Dr Anjali Singh</b> , JN Centre for Advanced Scientific Research, India	Structural instabilities and wrinkles at the grain boundaries in 2D h-BN
15.20 – 15.40	<b>Dr Matthew Horton</b> , Imperial College London, UK	Exploring the interaction between carbon and structural defects in hexagonal BN
15.40 – 16.10	<b>Prof. Angelos Michaelides</b> , 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](mailto:c.l.ohare@reading.ac.uk))