

ICONN 2010

2010 International Conference on Nanoscience and Nanotechnology

Sydney Convention and Exhibition Centre
Darling Harbour, 22- 26th February 2010

Symposium 6: Computational Nanotechnology

Call for oral and poster abstract submissions:

The Computational Nanotechnology symposium provides a forum for presentation and discussion of the latest research in computer simulations across the full range of nanotechnology and bio-nanotechnology applications.

<http://www.ausnano.net/iconn2010/registration.php>

Plenary speaker:

Prof Yoshiyuki Kawazoe Institute for Materials Research, Tohoku University, Japan

“A Paradigm Shift in Computational Materials Science – from Explanation to True Ab Initio Prediction”

Invited speakers:

Prof Peter Cummings Vanderbilt University, USA

“The Interplay of Theory and Experiment in Nanoscience”

Prof Shenbai Zhang Rensselaer Polytechnic Institute, USA

“Energetics and idealism versus kinetics and realism: First-principles theory of graphene oxides”

Prof Ward Thompson University of Kansas, USA

“Understanding Chemistry in Nanoconfined Solvents – What Can Spectroscopy Tell Us? ”

Prof Jinlong Yang University of Science & Technology, China

“First Principles Studies on Graphene Nanoribbons and Graphene Oxide ”

Prof Mark Biggs University of Adelaide

“Towards the de novo rational design of solid-surface binding peptides for self-assembly of complex nano-structured materials and systems”

Prof Stefano Stanvito Trinity College Dublin

“Does DNA conduct?”

Prof Aibing Yu University of New South Wales

“Molecular modeling of clayed based nanocomposites”

Sean Smith University of Queensland (Chair)

Julian Gale Curtin University (Co-Chair)

Salvy Russo RMIT

Karl Muller CSIRO