



Ian Wark  
Research Institute



## 2012 South Australian Physical Chemistry Symposium

MacBeth Lecture Theatre, Badger Laboratories, The University of Adelaide

Monday, 3rd December 2012

Sponsored by the SA Branch of the Royal Australian Chemical Institute, the School of Chemical and Physical Sciences of Flinders University, the Ian Wark Research Institute of The University of South Australia, and the School of Chemistry & Physics of the University of Adelaide

8.30—9.00	Registration
9.00—9.10	Welcome and opening remarks
9.10—9.40	<b>Dr Chris Gibson</b> , School of Chemical and Physical Sciences, Flinders University <i>Techniques for enhancing the accuracy and resolution of measurements made with the atomic force microscope</i>
9.40—10.10	<b>Mr Jason Alvino</b> , School of Chemistry & Physics, University of Adelaide <i>Atomically precise gold clusters on TiO<sub>2</sub> nanoparticles as photoelectrochemical catalysts</i>
10.10—10.40	<b>Ms Ge Su</b> , Ian Wark Research Institute, University of South Australia <i>Irreversible bidirectional nanoparticle crossing oil–water interfaces</i>
10.40—11.10	Morning tea
11.10—11.40	<b>Dr David Huang</b> , School of Chemistry & Physics, University of Adelaide <i>Excursions in computational nanoscience: from nanofluidics to photovoltaics</i>
11.40—12.10	<b>Mr Christiaan Ridings</b> , School of Chemical and Physical Sciences, Flinders University <i>Investigating the charge distribution at liquid surfaces</i>
12.10—12.40	<b>Mr Tom Macdonald</b> , Ian Wark Research Institute, University of South Australia <i>Cadmium-free quantum dots for photovoltaic applications</i>
12.40—1.30	Lunch
1.30—2.00	<b>Prof Magnus Nydén</b> , Ian Wark Research Institute, University of South Australia <i>Recent progress in the Nuclear Magnetic Resonance Diffusion technique for studying diffusion in porous materials</i>
2.00—2.30	<b>Mr Sam Wallace</b> , School of Chemistry & Physics, University of Adelaide <i>Molecular dynamics studies of curcumin and linked cyclodextrin dimers</i>
2.30—3.00	<b>Mr Anirudh Sharma</b> , School of Chemical and Physical Sciences, Flinders University <i>Role of interfaces in the photovoltaic performance of organic bulk-heterojunction solar cells</i>
3.00—3.20	Afternoon tea
3.20—4.20	<b>Prof Vincent Craig</b> , Research School of Physical Sciences, Australian National University <i>Salts, bubble coalescence, specific ion effects and life</i>
4.20—4.30	Closing remarks
4.30—	Closing drinks

Note: Lunch, morning tea and drinks after the symposium will be provided.

### Registration fees:

RACI Members/Non-Members: \$10/\$20      RACI Student Members/Non-Members:      \$5/\$10

For catering purposes, please respond to Dr David Huang (david.huang@adelaide.edu.au) by Wednesday, 21 November 2012. Payment can be made on the day.