



Monday 28 September – Friday 2 October 2009

Wednesday 30 September

9.00am

LT4

Wednesday Morning Seminar

Exploring and exploiting the plasmon resonances of gold nanorods

Professor Michael Cortie

Director : Institute for Nanoscale Technology

University of Technology Sydney

<http://www.nano.uts.edu.au/staff/cortie.html>

Host: Dr Chiara Neto – Room 308

Thursday 1 October

LT4

8.00am

DRSPOC 2009

Movie Villains

Registration

8.30am

Welcome

8.40am

Investigation the Photodissociation Dynamics of Acetaldehyde – d₃

Ms Brianna Heazlewood

9.00am

Synthesis, structures and properties of modulated fresnoite minerals

Mr Patryck Allen

9.20am

Synthesis of Novel Porphyrins as Photodynamic Therapy Agents

Ms Fargol Taba

9.40am

Modification Of Tallow Biodiesel By Homogeneous Catalytic Oxidation

Mr Peter Phung

10.00am

Self assembling polymer-peptide conjugates

Mr Hamilton Kakwere

10.30am

Novel latex supported TiO₂ core shell sphere, sensitised with organic and ruthenium dyes for water photo-splitting.

Mr Lorenzo Costanzo

10.40am

Morning Tea

11.00am

Lyotropic Crystalline Phases In Surfactant Biomineralisation Precursors

Ms Connie Liu

11.20am

Electron transfer in ferrocene-porphyrin-fullerence systems

Mr Jimmy Lee

- 11.40am** *Molecular Recognition Using Functionalized Gold Nanoparticles and Optical Signaling Systems*
Ms Li Li
- 12.00 Noon** *Study of ZnO-ZnS Heterostructure as Photocatalyst in The Water Splitting Reaction*
Ms Donna Chen
- 12.20pm** *Room Temperature' Polymerization of Methyl Acrylate Using Copper-mediated Living Radical Polymerization*
Mr Andy West
- 12.40pm** *Jet-cooled Spectroscopy of resonance-stabilized 1-naphthylmethyl and 2-naphthylmethyl radicals*
Ms Nahid Chalyavi
- 1.00pm** **Lunch**
- 2.00pm** *New biocompatible polymer coatings for medical applications*
Mr Andrew Telford
- 2.20pm** *Preparation of Polymer Particles by Emulsion Polymerization Using a Surface-Active, Low Molar Mass RAFT Agent as a Stabiliser*
Ms Meiliana Siau
- 2.40pm** *Targeting the acidic cores of solid tumours*
Mr Xiao Gui
- 3.00pm** *Hydrogen Storage in Metal-Organic Framework Materials*
Ms Chen Chen
- 3.20pm** *New Mechanisms of Negative Thermal Expansion*
Mr Yue Wu
- 3.40pm** *Approaches Towards Asymmetric Synthesis of (R)-Praziquantel*
Mr Muneer Ahamed Syed Musthakahmed
- 4.00pm** **Afternoon Tea**
- 4.20pm** *Controlling the Polymerization of MMA with Elemental Copper*
Mr Ben Hornby
- 4.40pm** *Molecular probes for studying the α -7 nicotinic receptor subtype*
Ms Taliesha Paine
- 5.00pm** *Modification of Cellulose via Reversible Addition Fragmentation Chain Transfer (RAFT) Processes*
Ms Mona Semsarilar
- 5.20pm** *Iridescent self-assembled porphyrin microrods*
Mr George Huyang
- 5.40pm** *Dynamic Interplay between Spin Crossover and Host-Guest Function in $\text{Fe}(\text{pyrazine})\text{Ni}(\text{CN})_4$*
Ms Elizabeth Fellows

6.00pm

*Boronated DNA Metallointercalators for Boron Neutron Capture
Therapy*

Mr Vincent Ching

6.20pm

Closing remarks

The School of Chemistry wishes all students presenting at DRSP0C 2009 the best of luck