

Draft Program for 2007 Student-Industry-CRC Symposium; 12/11/2007

Friday 16 November:

- Arrival throughout afternoon at Avalon Airport, Geelong
Ground transport to Queenscliff Inn
6:00 – 9:00 Welcoming Sundowner Drinks and Dinner at the Victoria Hotel

Saturday 17 November:

Queenscliff Inn

- 7:00 – 8:00 Breakfast at the *Queenscliff Inn*
8:30 – 9:00 Introduction to the Symposium *Queenscliff Inn* function room
9:00 – 10:00 Introduction of Participants and Tea (Dan Churach)
10:00 – 10:30 Morning Tea at the *Queenscliff Inn*
10:30 – 12:15 *Sustainable Minerals, Sustainable Energy – Towards a Brighter Future*, Mr Stevan Green, CEO, Centre for Sustainable Resource Processing, *Queenscliff Inn* function room
12:15 – 1:00 Lunch at the *Queenscliff Inn*

Vue Grand

All student presentations at the *Vue Grand*, Queenscliff

- 1:30 – 2:30 Session One Chair: Elizabeth Hodge, University of New South Wales
- Kaveh Soltaninaveh, Curtin University of Technology; *The properties of Geopolymer Concrete incorporating Red Sand as fine aggregate*
 - Claire White, University of Melbourne; *Multiscale modelling of geopolymers*
 - Ahmad Bilal Nasir, Curtin University of Technology; *Effect of Long Term Drought on Cracking in the Core of Embankment Dams*
- 2:30 – 3:00 Afternoon Tea at the *Vue Grand*
- 3:00 – 4:00 Session Two Chair: Ross Williams, Curtin University of Technology
- Ian R. McNeilly, Central Queensland University; *The stability of protective corrosion films under intense flow condition*
 - Sophie Wheatley, Murdoch University; *Silica enhanced leaching of Chalcopyrite*
 - Andrew Jones, Murdoch University; *Enhanced metal recovery from a modified Caron leach of mixed nickel-cobalt intermediate concentrate*
- 4:00 – 5:00 Session Three Chair: Graeme Thompson, Murdoch University
- Alberto Ramirez-Melgoza, University of Queensland; *“In-group members’ categorisations, negative attitudes and aggressive behaviours towards out-group members in the resource sector workplace: The role of emotional intelligence and creativity”*
 - Stewart Worrall, University of Sydney; *Situation Awareness and improving the safety culture in mining using technology*
 - Jacqueline Medvecka, University of Queensland; *Thinking consequences and choosing sustainability in the metal industry: the case of an engineering firm*
- 6:30 Sundowner at the *Vue Grand*
- 7:30 Dinner (the *Vue Grand*, Queenscliff)

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Sunday 18 November:

- 8:00 – 9:00 Breakfast at the *Queenscliff Inn*
- 10:00 – 11:00 Session Four Chair: Stewart Worrall, University of Sydney
- Pushan Shah, Macquarie University; *Trace elements analysis of coal combustion systems*
 - Grant Ballantyne, University of Queensland; *Recovery and Utilisation of Carbonaceous Material by Flotation and Combustion*
 - Elizabeth Hodge, University of New South Wales; *Gasification rates of coal chars at high temperature and pressure*
- 11:00 – 11:30 Morning Tea at the *Vue Grand*
- 11:30 – 12:30 Session Five Chair: Jacqueline Medvecka, University of Queensland
- Michael Champion, University of Queensland; *Optimal Drill Pattern Sequencing for Multi-Boom Jumbos*
 - Robert Cocks, Murdoch University; *Assessment Models in Sustainable Water Sourcing, Use and Reuse for Newmont Gold Mine Operations (Aust/NZ)*
 - Michael Neimanis, University of Adelaide; *Plant biogeochemistry of uranium mineralisation for mineral exploration through cover*
- 12:30 – 1:30 Lunch at the *Vue Grand*
- 1:30 – 2:30 Session Six Chair: Andrew Jones, Murdoch University
- Megan Goldspink, Curtin University of Technology; *Water Properties of Fly Ash Based Geopolymer.*
 - Ailar Hajimohammadi, University of Melbourne; *Synthesis of One-Part Geopolymer Mixes*
 - Ross Williams, Curtin University of Technology; *Characterisation of starting materials for Fly ash based Geopolymers*
- 3:00 – 3:30 Afternoon Tea at the *Vue Grand*
- 3:30 – 4:30 Session Seven Chair: Robert Cocks, Murdoch University
- Casey Jarman, University of Queensland; *Coarse Liberation and Energy Requirements*
 - James Rowe, the University of Ballarat; *“The Nature and Behaviour of Carbonaceous Material in the Treatment of a Refractory Gold Bearing Ore”*
 - Graeme Thompson, Murdoch University; *Enhanced cobalt recovery from a Caron leach of pre-reduced laterite ore*
- 4:30 – 5:15 Session Eight Chair: Claire White, University of Melbourne
- Steve Mohr, University of Newcastle; *Transport Fuels Outlook to 2100*
 - Daniel Tuazon, University of Queensland; *Bauxite Residue Sustainability Measure of Improvement*
- 6:30 Sundowner at the *Vue Grand*
- 7:00 Dinner at the *Vue Grand*
- 8:00 3rd Annual Student-Industry-CRC Quiz Night (*the Vue Grand, Queenscliff*)

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Monday 19 November:

- 7:30 – 8:30 Breakfast at the *Queenscliff Inn*
Check out of the *Queenscliff Inn*
- 9:00 – 10:30 Workshop: “*Regional Synergies – Waste Streams into Profits*”; Dr Glen Corder, Centre for Social Responsibility in Mining and CSRP
- 10:30 – 10:45 Morning Tea at the *Vue Grand*
- 10:45 – 12:15 Workshop: “*Get your message across*”; Dr Janine Lay, Sustainable Minerals Institute, University of Queensland.
- 12:15 – 1:00 Lunch at the *Vue Grand*
- 1:15 Coach departs for industry tour in Geelong
- 2:00 – 4:30 Tour and Q & A at Blue Circle Southern Cement Plant
- 4:45 Check in Geelong Mercure
- 6:30 – 7:30 Sundowner
- 7:30 Students-Industry-CRC Symposium Awards Dinner at the Geelong Mercure

Tuesday 20 November:

- 6:45 – 7:15 Breakfast at the Geelong Mercure
- 7:15 – 7:30 Check out of Geelong Mercure
- 7:40 Depart for Anglesea Power Station
- 8:30 Tour of Anglesea Open Cut Mine and Power Station
- 9:45 Q & A session about mine and power plant
- 10.15 Depart for Point Henry
- 11:00 Tour Alcoa Port Henry Aluminium Smelter
- 12:00 Q&A session
- 12:30 – 1:00 Light lunch, complements of Alcoa
- 1:00 Participants other than CSRP students: Departure by coach for Airport/s
CSRP students: Departure by coach for CSIRO Minerals in Clayton, VIC
- 3:15 – 4:30 Tour of CSIRO Clayton
- 4:30 Check in Lamplighter Motel, 1440 Dandenong Road, Oakleigh, VIC

Wednesday 21 November – Thursday 22 November:

CSRP Students participate in CSRP Conference, Clayton CSIRO