



SMEDG - AIG



“New Exploration Technologies” Symposium

Kirribilli Club, Milsons Point, Friday, 11th September, 2009

[Registration Form is now available on the SMEDG web site](#)

SESSION 1 – Geochemistry and Geophysics

Chairman: Ian Neuss

8:50 - 9:00 Welcome - Kim Stanton-Cook

9:00 - 9:25 Dave Cohen

Geochemistry and the challenge posed by exotic cover

9:25 – 9:50 Andrew Boyd

New generation helicopter time domain EM systems

9:50 - 10:15 Rob Hough

Invisible gold revealed in supergene and hypogene environments – new insights into gold mobility

10:15 - 10:40 Neil Rutherford

Partial leaches, sulphur isotopes and regolith controls – Osborne case study.

Morning tea 10:40 to 11:15

SESSION 2 – Prospect and Regional Scale Mapping

Chairman: Lindsay Gilligan

11:15 - 11:40 Bob Musgrave

How deep do you want to look? Tilt filters, layer filters, and other new ways of extracting depth structure from geophysical data

11:40 - 12:05 Mark Manly

*The Spalding Copper Prospect:
A Case Study in Geochemical Sampling Using Field Portable XRF*

12:05 - 12:30 Greg Street

Airborne gravity gradiometry

12:30 - 12:55 Tim Rawling

New techniques in regional 3D geological mapping, simulation and visualisation and their application in predictive mineral exploration.

Lunch 12:55 to 2:15

SESSION 3 – New Uses for Old Data and Techniques

Chairman: Phil Hellman

- 2:15 - 2:40 **Dave Lawie**
New uses for old data; lithogeochemistry for classification, alteration and geometallurgy
- 2:40 - 3:05 **Steve Collins**
Modern 3D IP surveying. Steady forward progress towards an efficient, safe and effective exploration technique.
- 3:05 - 3:30 **Kate Godber**
The use of downhole magnetometric resistivity at Broken Hill

Afternoon tea 3:30 to 4:10

SESSION 3 – Maximising Drilling Effectiveness

Chairman: Tim McConachy

- 4:10 - 4:35 **Colin Skidmore**
Borehole logging for uranium including direct measurement - the pros and cons.
- 4:35 - 5:00 **Carina Kemp**
Borehole radar techniques (Preliminary – final title pending).
- 5:00 - 5:25 **Jock Cunningham**
Advances in Mineral Exploration and Mining Drilling Technologies
- 5:25 - 5:35 **Summary and Farewell – Mike Smith**

Drinks 5:35 to 7:00

.....then.....

Evening – Sydney Harbour Cruise with Dinner + Drinks.

A re-run of last year's post-Symposium Cruise with the MV Proclaim leaving from Lavender Bay Wharf, below the Kirribilli Club, at 19:30 returning at 23:30. Family and friends welcome. [Registration Form is now available on the SMEDG web site](#) soon but register your interest by calling or [e-mailing a SMEDG committee member](#).