

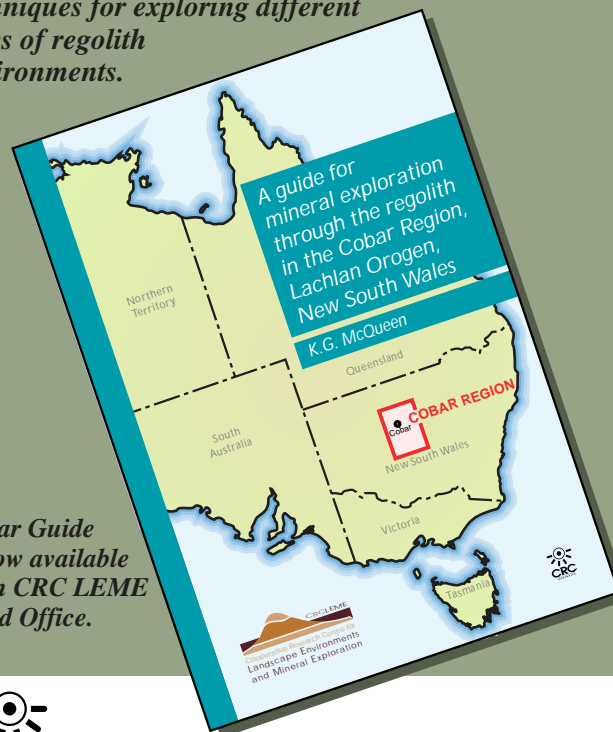
*CRC LEME uses its expertise in regolith geoscience to understand the mechanisms by which surface expression of mineralisation can form in a variety of Australian environments.*

*For the past seven years, LEME researchers have been addressing the challenges of mineral exploration in areas of transported regolith, undertaking a wide range of integrated projects and using multi-disciplinary approaches to examine 3D architecture of the regolith. A significantly better understanding of the time-dependent physical, chemical, biological and hydrological processes that control geochemical dispersion of minerals in the regolith has been achieved.*

*CRC LEME will cease operations on 30 June 2008. This final seminar in the Western Australia series will present the latest developments in regolith geoscience R&D. All completed material (reports, thematic volumes) will be available on the CRC LEME website as PDF files until 2011.*

<http://crcleme.org.au>

*This year's seminar will highlight the LEME Explorers' Guide Series and the pre-release of the Yilgarn Explorers Guide. This will provide a synthesis of the characteristics and evolution of the Yilgarn landscape and advice on appropriate exploration strategies and techniques for exploring different types of regolith environments.*



*The Cobar Guide is now available from CRC LEME Head Office.*



**CRC LEME is an unincorporated joint venture between eight Core Parties:**

Australian National University,  
Curtin University of Technology,  
University of Adelaide,  
CSIRO Exploration & Mining  
and Land & Water,  
Geoscience Australia,  
Minerals Council of Australia,  
NSW Department of Primary Industries, and  
Primary Industry and Resources South Australia,

**established and supported under the Australian Government's Cooperative Research Centres Programme**

## MINERALS EXPLORATION SEMINAR

**Wednesday 4 June 2008**

**Australian Resources Research Centre**

26 Dick Perry Avenue, Kensington (Technology Park, Perth) WA



*Erosional and weathering processes in action at Mt Magnet, WA*

Convenor: **Ravi Anand**, Program Leader:  
Mineral Exploration in Areas of Cover  
CRC LEME, CSIRO Exploration and Mining  
PO Box 1130, Bentley WA 6102  
Tel: 08 6436 8672  
[ravi.anand@csiro.au](mailto:ravi.anand@csiro.au)



## PROGRAM

### Wednesday 4 June

- 9.00 am *Welcome, Introduction and Highlights*..... Steve Rogers/Ravi Anand
- 9.25 am *Integrated approach to anomaly formation and detection at Moolart Well gold deposit*..... Ravi Anand
- 9.50 am *Hydrogeochemical exploration: why do it, how do you do it*..... David Gray
- 10.15 am *Geochemical exploration through cover in north western Victoria*..... Ryan Noble

### 10.30 am Morning Tea

- 11.00 am *Precipitation of gold by evaporation and implications for exploration*..... Rob Hough
- 11.35 am *The composition and crystallography of gold: implications for ore genesis*..... Charles Butt
- 12.00 pm *Essential landscape evolution models for uranium exploration programs under cover*..... Steve Hill

### 12.25 pm Lunch

- 1.25 pm *Regolith-terrain mapping in the Tanami - Advances in landscape mapping with Shuttle Radar and Landsat data*..... Richard Langford
- 1.50 pm *Seismic imaging in challenging environments*..... Anton Kopic
- 2.15 pm *Towards global hyperspectral mapping of surface mineralogy: Fundamental information for understanding soils and geology*..... Tom Cudahy
- 2.40 pm *Advances in spectral logging*..... Cajetan Phang

### 3.05 pm Afternoon Tea

- 3.35 pm *Regolith map and atlas of Queensland*..... Ian Robertson
- 4.00 pm *An overview of CRC LEME Explorers Guides and their implications to mineral exploration*..... Lisa Worrall
- 4.40 pm *Yilgarn Explorers Guide*..... Ravi Anand

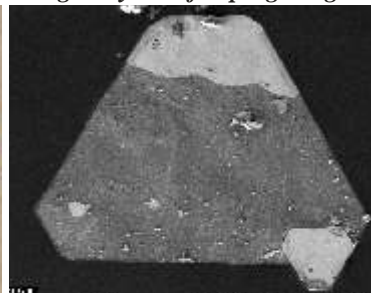
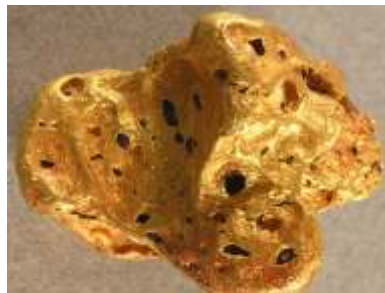
### 5.00 - 6.00 pm Networking/refreshments - Close



*Etched crystal structure in gold*



*Single crystal of supergene gold*



## REGISTRATION FORM

### TAX INVOICE and RECEIPT

Please retain a copy of this document as it will become your tax invoice/receipt for GST when you make a payment, or when your credit card authorisation is processed.

CSIRO Exploration & Mining ABN 41 687 119 230,  
CRC LEME ABN 26 980 905 034.

### LEME MINERALS EXPLORATION SEMINAR 4 June 2008

Australian Resources Research Centre, Perth

#### Delegate details

Name.....  
Position.....  
Organisation.....  
Address.....  
Suburb..... Postcode.....  
Email.....  
Phone.....

#### Registration Fee \$99.00 - includes GST

Includes all day catering, wind up refreshments and Abstract Volume

#### Payment Details

Cheques made payable to CSIRO Corporate Finance

Please debit my credit card to the value of \$99.00

Visa Card / Master Card (please circle)

Card Number..... Expiry.....

Cardholders Name (as on card)  
.....

Signature..... Date.....

*NB: We cannot accept Diners Club or American Express*

REGISTRATIONS BY Monday 26th May 2008.

Please fax completed form to: (08) 6436 8555

or post to: MINEX Seminar June 08

CRC LEME Head Office, PO Box 1130, Bentley WA 6102.

or email: crcleme-hq@csiro.au

Enquiries:

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