

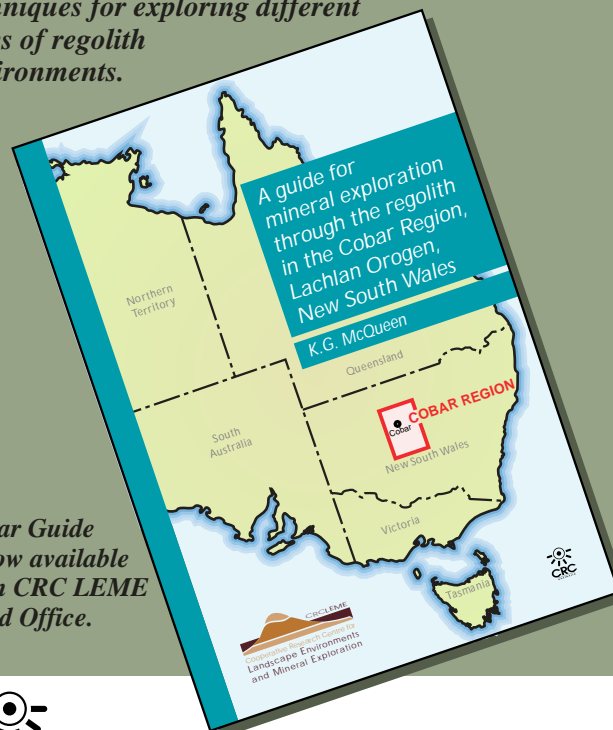
CRC LEME uses its expertise in regolith geoscience to understand the mechanisms by which surface expression of mineralisation can form in a variety of Australian environments.

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



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

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.

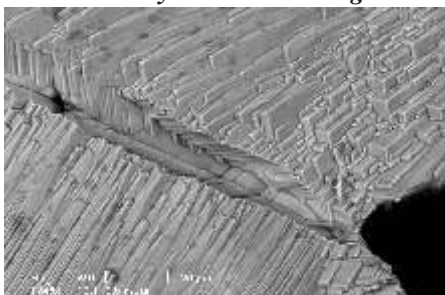
or email: crcleme-hq@csiro.au

Enquiries:

Sue Game (08) 6436 8695 or susan.game@csiro.au



Etched crystal structure in gold



Single crystal of supergene gold

