

These technical presentations are a balance of new work, some recently presented material, just completed PhD studies and some research recently out of moratorium. All presentations are of direct relevance to mineral explorers.

LEME's role is to apply regolith science to the problems facing Australia in the areas of mineral and natural resource management. It addresses the challenges of mineral exploration in areas of transported regolith, undertaking and developing a wide range of integrated projects that use multi-disciplinary approaches to look at three-dimensional architecture of the regolith. The projects focus on the physical, chemical, biological and hydrological processes that control geochemical dispersion of minerals in the regolith.

For more information, please visit our website:

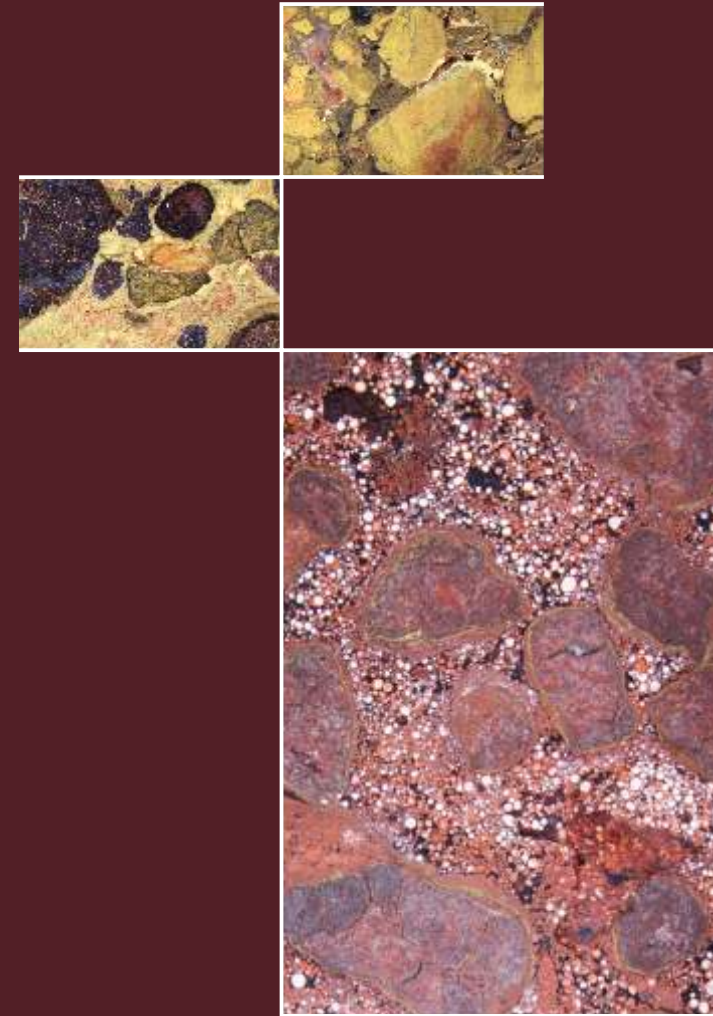
<http://crcleme.org.au>

MINERALS EXPLORATION SEMINAR

Wednesday 25 May 2005

Australian Resources Research Centre

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



**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 Program**

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Mineral Exploration in areas of cover
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PROGRAM

Wednesday 25 May

- 8.50 am *Introduction*.....Dennis Gee
- 9.00 am *Regolith expressions of Australian landscapes and ore systems*.....Ian Robertson
- 9.20 am *Northern Territory regolith*.....Mike Craig
- 9.40 am *Regolith exploration models, northwest Queensland*.....Ravi Anand
- 10.00 am *Tertiary "palaeochannel fills", Kalgoorlie, WA*Peter de Broekert
- 10.20 am *Yilgarn red-brown hardpan and exploration implications*.....Annamalai Mahizhnan

10.40 am Morning Tea

- 11.00 am *Element dispersion in the 4th dimension*Ken McQueen
- 11.20 am *Yilgarn laterite geochemistry*.....Mat Cornelius
- 11.40 am *Mineralisation clues in regolith detritus at Golden Grove* Ray Smith
- 12.00 pm *Mineral mapping of sediments at St Ives and Whirling Dervish*Balbir Singh
- 12.20 pm *Automated regolith logging - A realistic proposition?*Tim Munday

12.40 pm Lunch

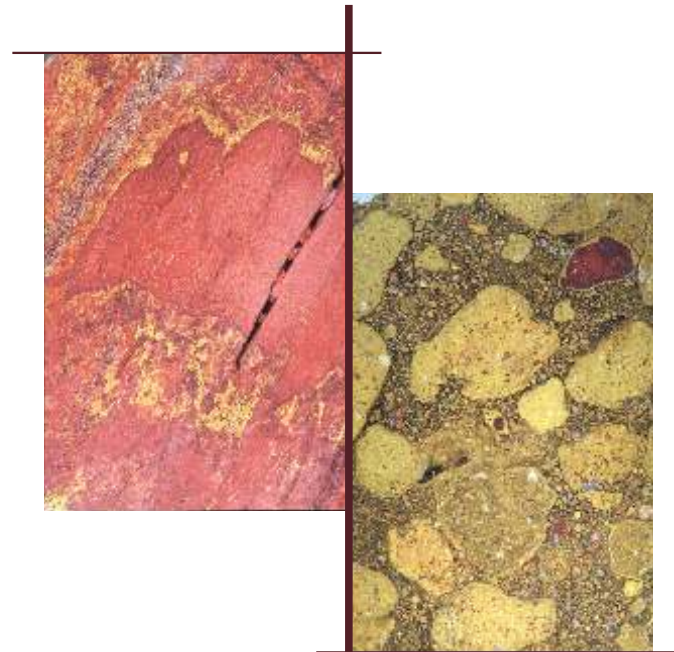
- 1.30 pm *Exploring with vegetation*Steve Hill
- 1.45 pm *Exploration with E. Camaldulensis*Karen Hulme
- 2.00 pm *Mulga anomalies over transported cover*Ravi Anand
- 2.40 pm *Metal mobility in Moonta transported regoliths ..*John Keeling

3.00 pm Afternoon Tea

- 3.20 pm *Expression of regolith mineralisation in acid drainage waters - WA wheatbelt*Steve Rogers
- 3.40 pm *Nickel hydrogeochemistry*David Gray
- 4.00 pm *Anomaly formation in calcrete*Mel Lintern
- 4.20 pm *South Australian calcrete*Andreas Schmidt-Mumm

4.40 - 6.00 pm Close - Social

Thanks to LionOre Australia Pty Ltd for providing refreshments



Regolith sections courtesy of I.D.M. Robertson, CSIRO

REGISTRATION FORM

TAX INVOICE and RECEIPT

CSIRO Exploration and Mining ABN 41 687 119 230

LEME MINERALS EXPLORATION SEMINAR 25 May 2005

Australian Resources Research Centre, Perth

Delegate details

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

Registration Fee \$88.00 - 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 \$88.00

Visa Card / Master Card (please circle)

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NB: We cannot accept Diners Club or American Express

REGISTRATIONS PREFERRED BY
WEDNESDAY 18 MAY 2005, thank you

Please fax completed form to: 08 6436 8559
or Post to: LEME MINEX Seminar May 05
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