

*CRC LEME is using it's expertise in regolith geoscience to understand the mechanisms by which surface expression of mineralisation can form in a variety of Australian environments.*

*LEME researchers address 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 Centre's research focusses on gaining a better understanding of the time-dependent physical, chemical, biological and hydrological processes that control geochemical dispersion of minerals in the regolith.*

*For more information, please visit our website:*

*<http://crlcme.org.au>*



*Ferricrete developed from grus, Pine Creek, NT*



Convenor: ***Ravi Anand***, Program Leader:  
Mineral Exploration in Areas of Cover  
CRC LEME, CSIRO Exploration and Mining  
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**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**

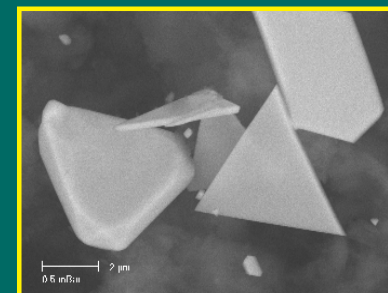
## **MINERALS EXPLORATION SEMINAR**

**Tuesday 28 August 2007**

***Australian Resources Research Centre***

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

*Gold nano plates*



*Gold in hematite*



## PROGRAM

### Tuesday 28 August

- 8.50 am **Introduction**.....Steve Rogers/Ravi Anand
- 9.00 am Butt Smith Medal Commemorative Address:  
***Twenty five years of regolith geology and geochemical exploration in the Yilgarn Craton***  
.....Ravi Anand
- 10.00 am ***New pre-competitive data: the Yilgarn Laterite Atlas***.....Ian Robertson

### 10.30 am Morning Tea

- 11.00 am ***Classification of Ni laterites and its implications to processing***.....Charles Butt
- 11.30 am ***New approaches to soil geochemical extractions***  
.....Ryan Noble
- 12.00 pm ***Application of isotopes to regolith geochemistry***  
.....Graham Carr

### 12.30 pm Lunch

- 1.30 pm ***Hydrogeochemistry - new developments and exploration implications***.....David Gray
- 2.00 pm ***Biogeochemical accumulation of metals in soils and vegetation***.....Yamin Ma
- 2.30 pm ***Supergene gold from salty water in the southern Yilgarn***.....Rob Hough
- 3.00 pm ***Advances in calcrete geochemistry***.....Mel Lintern

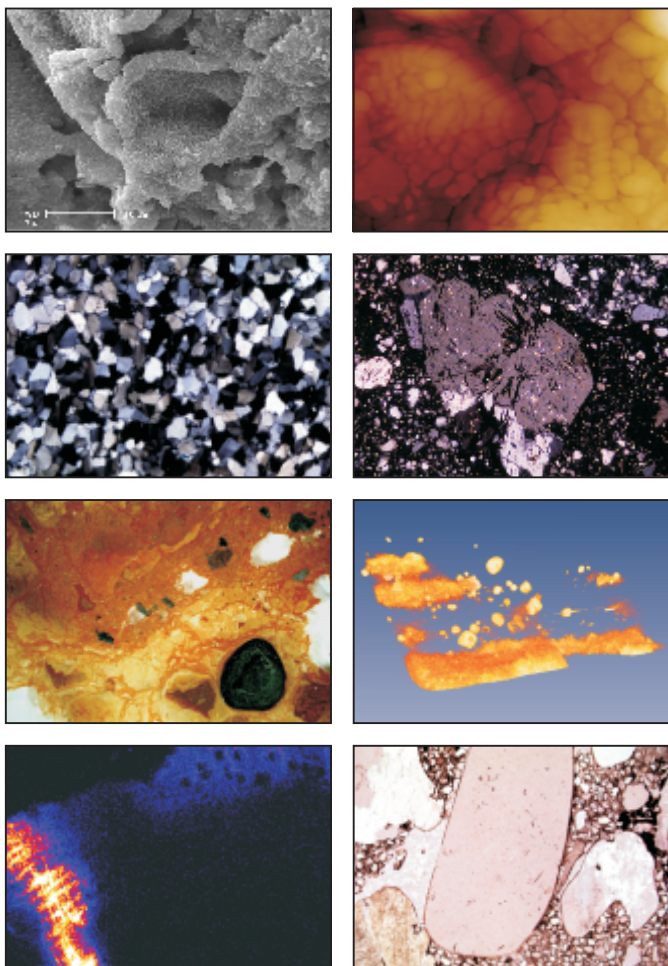
### 3.30 pm Afternoon Tea

- 4.00 pm ***Developments in the automated interpretation of regolith spectra***.....Tim Munday
- 4.30 pm ***Minerals Down Under – CSIRO National Research Flagship***.....Graham Carr

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

This year's seminar features a Commemorative Address by Dr Ravi Anand – the 2006 CSIRO-CRC LEME Butt Smith Medallist.

The medal is awarded every two years in recognition of outstanding and sustained research contribution that links regolith science with Australian mineral exploration.



## 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 28 August 2007**

Australian Resources Research Centre, Perth

#### **Delegate details**

Name.....

Position.....

Organisation.....

Address.....

.....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-CRC LEME
- ☐ Please debit my credit card to the value of \$99.00
- Visa Card / Master Card (please circle)

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

#### **REGISTRATIONS BY**

Tuesday 21st August 2007, thank you

Please fax completed form to: (08) 6436 8560

or post to: LEME MINEX Seminar August 07

CRC LEME Head Office

PO Box 1130, Bentley WA 6102.

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