



Australian Earth Sciences Convention
Media advisory for Tuesday 22 July 2008

Australian Earth Sciences Convention Highlights day 2 – Tuesday

Australian Earth Sciences Convention, 20-24 July, Perth

Plenary speakers

- **9am**
Australia's energy future
Dr Peter McCabe, CSIRO Petroleum Resources Division
- **9.45am**
The geological history of climate change
Professor Malcolm Walter, Australian Centre for Astrobiology, University of NSW

Other speakers

- **11.05am**
The psychology of decision-making in mineral exploration – a key to improving return on investment in our business
Prof. Mike Etheridge, GEMOC Key Centre, Department of Environmental and Life Sciences, Macquarie University
- **11.05am**
Geoscience Australia, Offshore Energy Security Program: an update of planned marine surveys and initial results
Dr. Peter Southgate, Geoscience Australia
- **11.05am**
An overview of four international geoscientific drilling projects, Pilbara Craton, Western Australia, 2003 -2007
Dr. Arthur Hickman, Geological Survey of Western Australia
- **11.25am**
Geochemical evidence for the development of a fully-oxygenated atmosphere-oceans and modern-style ecosystems by ~3.5 Ga
Prof. Hiroshi Ohmoto, The Pennsylvania State University
- **11.45am**
Provenance of ophiolitic sand: comparison of ancient and modern sand
Melissa Murphy, Macquarie University

- **11.45am**
Evaluating the geology and petroleum prospectivity of frontier exploration areas within the offshore north Perth Basin
 Diane Jorgensen, Geoscience Australia

- **12.05pm**
Does the Capricorn Orogen control seismicity in the Carnarvon Basin?
 Dr. Myra Keep, University of Western Australia

- **1.50pm**
Collie Coal and the Clean Coal Technology
 Prof. Krishna Sappal, Curtin University of Technology

- **2.10pm**
Coastal Geographic Information System for the northern agricultural region of the Western Australian coast
 Alexandra Stevens, Curtin University

- **2.30pm**
A volcanic caldera habitat for Earth's oldest stromatolites (c. 3.5 Ga) from the North Pole Dome, Western Australia
 Dr. Martin Van Kranendonk, Geological Survey of Western Australia

- **2.50pm**
Geoscience Australia's Onshore Energy Security Program - the Geothermal Energy Project
 Dr. Ian Lambert, Geoscience Australia

- **2.50pm**
Characteristics of the Australian Crust from seismic reflection profiling
 Dr. Bruce Goleby, Geoscience Australia

- **3.10pm**
Geothermal Systems Analysis – a risk-based approach to exploring for geothermal resources
 Graham Beardsmore, Hot Dry Rocks Pty Ltd

- **4.05pm**
The Pilbara Drilling Project: results and perspectives
 Pascal Philippot, Institut De Physique Du Globe De Paris

- **4.25pm**
Sea level reconstructions from fossil coral reefs along the Cape Range coast, WA
 Dr. Andrea Dutton, Australian National University

- **4.25pm**
The role of land use geoscience in urban planning and development in the Goldfields of Western Australia
 Chris Kojan, Geological Survey of Western Australia

Various Convention speakers and Convention organisers are available for interview.

What: 2008 Australian Earth Sciences Convention
When: Sunday 20 - Thursday 24 July 2008
Where: Perth Convention & Exhibition Centre, Perth
Contact: Patrick Daley (Patrick Daley Public Relations) on 0408 004 890

Find the full Convention program at www.iceaustralia.com/aesc2008. Media can access suggested **speaker and topic lists** (organised into subject headings and state-specific headings), as well as other background material, [on the Media page of the website](#) (abstracts are available from Patrick Daley). Media are urged to refer to the **speaker and topic lists** for more state-specific speakers and subjects.

Convention sponsors: the Diamond Sponsor of the 2008 Australian Earth Sciences Convention is Rio Tinto. Other major sponsors are Norilsk Nickel, Gold Fields, CSIRO Exploration and Mining, Integra Mining, Curtin University of Technology, the University of Western Australia, the Australian Journal of Earth Sciences, AngloGold Ashanti Australia, the Geological Survey of Western Australia, Geoconferences WA Inc., Gnostic Exploration Services PL, Chevron and Geoscience Australia. The major sponsor of an associated Student Careers Night is Independence Group NL and the Convention's Media Sponsor is the Resource Information Unit.