



Suggested media topics and talent Australian Earth Sciences Convention 20-24 July 2008, Perth

Edited list for:

- general media
- local media / local radio

Note to media

- Please find below **a selection only** of suggested media topics and talent for the Australian Earth Sciences Convention.
- Please note that some of the listed speakers or topics may change due to unforeseen circumstances – check for updates with Patrick Daley (the Convention’s Media Manager).
- Media should note that, due to the large number of speakers participating in this Convention, most of the speakers listed have not been contacted to determine their suitability as talent – rather, this list is based on topics of interest. Media themselves should assess speaker suitability as talent. Patrick Daley can provide contact details and abstracts (see next sub-heading).
- The following speakers and topics are arranged under **subject** headings and also under **state** headings – media are advised to check the speakers listed under **all** headings in determining appropriate talent.
- The state in which each speaker is based has also been listed in **blue** after many speakers’ names, so local media can find appropriate local talent. (In some cases, the state in which the content of their paper is based has also been included in **blue**).
- **An expanded version of this list** is also available from the conference website at www.iceaustralia.com/aesc2008 (go to Media) or from Patrick Daley. **The expanded list provides additional topics and speakers** for energy/resource, environment and science media, as well as general media and local media/radio.

Media contact

Media are welcome to contact Patrick Daley, the Convention Media Manager, on tel: 0408 004 890 for further information on the Convention and its program. Patrick Daley will be available on-site during the entire Convention.

Full Convention program and stream programs

Go to www.iceaustralia.com/aesc2008 to view the full Convention program and see links below to the individual programs for each of the Convention's five major streams:

- Geoscience in the service of society
www.iceaustralia.com/aesc2008/pdf/Program_Geoscience.pdf
- Resources – foundation for our future
www.iceaustralia.com/aesc2008/pdf/Program_Resources.pdf
- The evolution of life and the solar system
www.iceaustralia.com/aesc2008/pdf/Program_Evolution.pdf
- Earth's environments – past, present and future
www.iceaustralia.com/aesc2008/pdf/Program_Earths_Environment.pdf
- The dynamic Earth – from crust to core
www.iceaustralia.com/aesc2008/pdf/Program_Dynamic_Earth.pdf

General Convention media talent

- the Convention's Program Director, Dr Jon Hronsky, is available to undertake interviews on the Convention in general, the importance of the Convention, the range of topics being discussed during the Convention, and the Convention's resources stream.
- the incoming President of the Geological Society of Australia, Professor Peter Cawood, is also able to undertake general interviews about the Convention, the importance of the Convention, the range of topics being discussed during the Convention, and general geoscience topics.
- the Convenor of the Convention's *Resources – foundation for our future* stream, Marcus Harris, is able to undertake interviews on topics being highlighted in this stream.
- the Convenor of the Convention's *Evolution of life and the Solar System* stream, Dr Marc Norman, is able to undertake interviews on topics being highlighted in this stream.

Plenary speakers

- **9.30am Monday**
Mawson Lecture 2008
Making mountains: geological drivers and environmental consequences
Professor Peter Cawood, School of Earth and Geographical Sciences,
University of Western Australia; Mawson Prize recipient for 2008; incoming President of the
Geological Society of Australia ([WA](#))

- **9am Tuesday**
Australia's energy future
Dr Peter McCabe, CSIRO Petroleum Resources Division ([NSW](#))

- **9.45am Tuesday**
The geological history of climate change
Professor Malcolm Walter, Australian Centre for Astrobiology, University of NSW ([NSW](#))

- **9am Wednesday**
The Yarragadee Aquifer
Phil Commander, WA Geological Survey and Department of Water ([WA](#))

- **9:45am Wednesday**
The Tsunami risk to Australia and what is being done to mitigate it
Dr Barry Drummond, Geoscience Australia ([ACT](#))

- **9am Thursday**
The dynamic Earth – the new perspective from deep seismic imaging
Professor Michael Gurnis, California Institute of Technology ([USA](#))

- **9.45am Thursday**
New views of the chemistry and geology of the crust of Mars
Dr Jeffrey Taylor, Hawaii Institute of Geophysics and Planetology ([USA](#))

Mining and exploration – business approaches, investment and psychology

[Refer also to state sections for additional state-specific papers on these topics]

- **4.05 Monday**

Transfer of research initiatives into practice – how effectively are new concepts driving exploration outcomes?

Dr. Peter Williams, SRK Consulting ([WA](#))

- **11.05 Tuesday - keynote**

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 ([NSW](#))

- **2.20 Wednesday - keynote**

Fortescue Metals Group Ltd - creating shareholder value from exploration

Stuart Robinson, Fortescue Metals Group Ltd ([WA](#))

Mining and exploration – new frontiers, research, precompetitive geoscience and geology

[Refer also to state sections for additional state-specific papers on these topics]

- **11.05 Monday**
Mineral exploration-related research in the Minerals Down Under National Research Flagship
Paul Roberts, CSIRO Exploration and Mining ([WA](#))

- **12.05 Monday – keynote**
Securing Australia’s future wealth – the role of precompetitive geoscience and Geoscience Australia’s program.
James Johnson, Geoscience Australia ([ACT](#))

- **3pm Wednesday**
Geomorphology, crocodiles and mineralisation in Morobe Province, PNG
Dr. Robert Findlay, Montagu Minerals Mapping Pty Ltd ([speaker: Tasmania](#)) ([subject: PNG](#))

Geohazards – tsunamis, earthquakes, volcanoes

[Refer also to state sections for additional state-specific papers on these topics]

- **11.35 Wednesday - keynote**
Rupture characteristics of recent tsunamigenic earthquakes in Australasia, estimated from seismic and sea level data
Dr. Phil Cummins, Geoscience Australia ([ACT](#))

- **2.20 Wednesday**
Volcano and earthquake risk in the Asia-Pacific Region
Jonathon Griffin, Geoscience Australia ([ACT](#))

- **2.20 Wednesday**
The role of geoscience in developing the Indian Ocean Tsunami Warning System
Dr. Jane Cunneen, Intergovernmental Oceanographic Commission of UNESCO ([WA](#))

- **3.40 Wednesday**
Three dimensional modeling of natural hazards using Geographic Information Systems
Dr. D. John Prabakaran, WA Department for Planning and Infrastructure ([WA](#))

- **4.35 Wednesday**
Understanding natural hazards using field geology and geochronology
Dr. Mark Quigley, The University of Melbourne ([Victoria](#))

- **11.55 Thursday**
The ‘Lusi’ Mud Eruption, Sidoarjo, East Java – a unique geological disaster
Dr. Mark Tingay, University of Adelaide ([SA](#))

- **12.55 Thursday**
E.F. Pigot S.J.: the priest who knew about earthquakes
Dr. David Branagan, University of Sydney ([NSW](#))

Water exploration and contamination, salinity, food security

- **12.05 Monday**
Construction dewatering impacts on groundwater resources; regulation and management
Gregory Russell, NSW Department of Water and Energy ([NSW](#))
- **1.50 Monday - keynote**
The Top Down paradigm – do plants control groundwater and weathering in semi-arid Australia?
Dr. David Gray, CSIRO Exploration and Mining ([WA](#))
- **1.50 Tuesday**
Joining forces for (geoscience) knowledge – groundwater and mineral exploration, same approach, different targets
Dr. Jon Fawcett, Department of Primary Industries, Victoria ([Victoria](#))
- **2.20 Wednesday - keynote**
Recent advances in the application of hydrogeophysics and regolith geoscience for groundwater and salinity mapping and management
Dr. Ken Lawrie, Geoscience Australia ([ACT](#))
- **3.40 Wednesday**
Customised products derived using airborne EM and hydrogeological data to assist in land use management along the Murray River in NSW and Victoria, Australia
Dr. Kok Piang Tan, Geoscience Australia ([speaker: ACT](#)) ([subject: NSW, Victoria, SA](#))
- **4.55 Wednesday**
Integrating remote-sensing with airborne electromagnetics for vegetation and crop health along the River Murray Corridor
Dr. Vanessa Wong, Geoscience Australia ([speaker: ACT](#)) ([subject: NSW, Victoria, SA](#))
- **5.55 Wednesday**
A hydrogeological-landscape framework providing new insights into salinity processes and management approaches.
John Wilford, Geoscience Australia ([ACT](#))
- **11.35 Thursday**
Acidic groundwater in the south-west of Western Australia: its distribution and causes
Adam Lillicrap, Department of Agriculture and Food Western Australia ([WA](#))
- **11.55 Thursday**
Assessment of geochemical risks of saline acidic ground-waters in the WA wheatbelt
Dr. Brad Degens, WA Department of Water ([WA](#))
- **12.35 Thursday**
Treatment of saline acid drainage in the Western Australian wheatbelt: field evaluations
Dr. Brad Degens, WA Department of Water ([WA](#))
- **12.55 Thursday**
Tectonic/volcanic control on salinisation of Bet Bet Creek, central Victoria
Dr. John Webb, LaTrobe University ([Victoria](#))

- **2.20 Thursday**
Dryland salinity and woodland biota in a ‘warming’ south eastern Australia: endemic flora and fauna to the rescue!
Glen Bann, Australian National University ([speaker: ACT](#)) ([subject: south eastern Australia](#))

- **2.40 Thursday**
Infrastructure planning and contamination management
Malcolm Dale, Parsons Brinckerhoff ([NSW](#))

- **3.00 Thursday**
Some natural and anthropogenic sources of groundwater contamination in the Himalayan mountain belt
Dr. M. Asim Yousafzai, University of Peshawar ([Pakistan](#))

- **3.20 Thursday**
Geoscience and food traceability
Anita Andrew, Environmental Isotopes Pty Ltd ([NSW](#))

Future energy sources, geothermal energy, carbon sequestration, coal seams, clean coal technology

- **11.05 Monday - keynote**
Ancient analogues for CO₂ sequestration in coal measures, Gunnedah and Bowen Basins, Australia
Dr. Sue Golding, University of Queensland ([speaker: Queensland](#)) ([subject: Queensland, NSW](#))

- **11.05 Tuesday**
Geoscience Australia, Offshore Energy Security Program: an update of planned marine surveys and initial results
Dr. Peter Southgate, Geoscience Australia ([ACT](#))

- **1.50 Tuesday**
Collie Coal and the Clean Coal Technology
Prof. Krishna Sappal, Curtin University of Technology ([WA](#))

- **2.50 Tuesday**
Geoscience Australia's Onshore Energy Security Program - the Geothermal Energy Project
Dr. Ian Lambert, Geoscience Australia ([ACT](#))

- **3.10 Tuesday**
Geothermal Systems Analysis – a risk-based approach to exploring for geothermal resources
Graham Beardsmore, Hot Dry Rocks Pty Ltd ([Victoria](#))

- **11:35 Wednesday - keynote**
Australia's uranium deposits, resources and production in a global context
Dr. Ian Lambert, Geoscience Australia ([ACT](#))

- **5.55 Wednesday**
Carbon dioxide storage sites: from prospects to pilots
Tess Dance, CO₂CRC CSIRO Petroleum ([WA](#))

Climate change and sea-level change

- **11.05 Monday - keynote**
Coal seams – multi-scale resolution records of climate change
Joan Esterle, CSIRO Exploration and Mining ([Queensland](#))

- **12.05 Monday**
Age and stratigraphic constraints on the evolution of mega-lake Bungunnia: insights into Plio-Pleistocene climate change in southern Australia
Dr. Sandra McLaren, University of Melbourne ([Victoria](#))

- **1.50 Monday - keynote**
Milestones in the evolution of the atmosphere with reference to climate change
Dr. Andrew Glikson, Australian National University ([ACT](#))

- **2.50 Monday**
Two new IODP paleoceanographic drilling opportunities in the Timor Sea: Late Quaternary Paleoceanography and tracking sea level change from the Late Miocene
Bradley Opdyke, Australian National University ([speaker: ACT](#)) ([subject: WA, NT](#))

- **2.30 Tuesday**
Long-term sea level fluctuations and paleogeography driven by ocean basin dynamics
Dr. Dietmar Muller, The University of Sydney ([NSW](#))

- **5.35 Wednesday**
Predicting hydrological threshold events in response to climate
Dr. Christoph Hinz, University of Western Australia ([WA](#))

Other topics

- **11.05 Monday - keynote**
Australia and the Integrated Ocean Drilling Program (IODP)
Prof. Richard Arculus, Australian National University ([ACT](#))
- **12.05 Monday**
Studying surface attributes to reveal hidden regolith profiles: geochemistry and mineralogy of termite mounds of the Coyote Au-deposit and surrounds, WA
Anna Petts, CRC-LEME/University of Adelaide ([speaker: SA](#)) ([subject: WA](#))
- **1.50 Monday**
Drowned reefs in the Great Barrier Reef and Hawaii: a new era in IODP coral reef drilling
Dr. Jody Webster, James Cook University ([Queensland](#))
- **11.45 Tuesday**
Provenance of ophiolitic sand: comparison of ancient and modern sand
Melissa Murphy, Macquarie University ([NSW](#))
- **12.05 Tuesday**
In situ U-Pb, O, and Hf isotope measurements of I- and S-type granites from the Berridale and Kosciuszko Batholiths
Dr. Ryan Ickert, Australian National University ([speaker: ACT](#)) ([subject: NSW](#))

Geotourism

- **11.35 Thursday - keynote**
Taking geology to the public: geotourism and geoparks
Prof. Ross Dowling, Edith Cowan University School of Marketing ([WA](#))
- **12.35 Thursday**
Rock tourism and the Black-footed Rock Wallaby
Alan Briggs, The National Trust of Australia ([WA](#))
- **2.20 Thursday**
The difference between a rock and a hard place: using geology to add value to the nature-based tourism experience
A/Prof. Ian Clark, University of South Australia ([SA](#))
- **2.40 Thursday**
Geotourism and geoparks promote education for sustainable development
Patrick James, University of South Australia ([SA](#))
- **3.00 Thursday**
William Blandowski's 1850s explorations of the geology and landscape of south-eastern Australia
Dr Doug McCann, Deakin University ([Victoria](#))

Geoscience education

- **11.45 Monday**
The University of the Sea and the benefits to learning of active participation in a research cruise
Kelsie Dadd, Macquarie University ([NSW](#))
- **11.35 Thursday – keynote**
Fighting the plight: earth science on the march in Western Australia
Dr. James Ross, Earth Science Western Australia ([WA](#))
- **12.15 Thursday**
Tertiary geoscience education in Australia: what future?
Dr. Trevor Powell, Australian Geoscience Council ([ACT](#))
- **12.35 Thursday**
Gauging reasons for enrolment in an entry level university geology course: results of student surveys from 2002-2007
Dr. Karen Barovich, University of Adelaide ([SA](#))
- **2.20 Thursday**
Fact-ites, Quizzicles and EarthCaching: the Geological Society of Australia education and outreach initiatives. Where to from here?
Greg McNamara, Geological Society of Australia ([NSW](#))
- **3.00 Thursday**
The Teacher Earth Science Education Programme [TESEP] and Geoscience Pathways: a national scheme to assist teachers and help students discover Earth Science and associated career paths
Greg McNamara, Geological Society of Australia & Len Altman, Marden Senior College ([NSW](#))
- **3.20 Thursday**
Living Geodiversity – simplified geology maps and linked eco-geo field trips for school and community education
Glen Bann, Australian National University ([ACT](#))

Evolution of life and the Solar System

[Refer also to state sections for additional state-specific papers on these topics]

- **11.05 Monday - keynote**
The quest for perfection – biogenicity and the Early Fossil Record
Prof. Stanley Awramik, University of California (USA)
- **12.05 Monday**
Microbially induced sedimentary structures – signs of life in Archean to modern sandy marine settings
Dr. Nora Noffke, Old Dominion University (USA)
- **12.25 Monday**
Highly elaborate putative microfossils from >2.97 Ga chert, Pilbara Craton: indications of cell division?
Dr. Kenichiro Sugitani, Nagoya University (Japan)
- **1.50 Monday**
The ~3.43Ga Strelley Pool sandstone as an environment for early life
Cris Stoakes, C.A. Stoakes Associates Consultant Geologists (WA)
- **3.10 Monday**
Environments of life at 3.5–3.3 Ga; evidence from the East Pilbara Terrane, WA
Dr. Martin Van Kranendonk, Geological Survey of Western Australia (WA)
- **11.05 Tuesday**
An overview of four international geoscientific drilling projects, Pilbara Craton, Western Australia, 2003 -2007
Dr. Arthur Hickman, Geological Survey of Western Australia (WA)
- **11.25 Tuesday - keynote**
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 (USA)
- **2.30 Tuesday**
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 (WA)
- **4.05 Tuesday - keynote**
The Pilbara Drilling Project: results and perspectives
Pascal Philippot, Institut De Physique Du Globe De Paris (subject: WA)
- **11.35 Wednesday - keynote**
The formation and early evolution of the solar system
Dr. Raquel Salmeron, Mt Stromlo Observatory (ACT)
- **12.15 Wednesday**
Formation of the Inner Solar System: new insights revealed by spacecraft data
Andrew Prentice, Monash University (Victoria)

- **12.35 Wednesday**
Dust to Planets - what have we learned from Genesis and Stardust samples?
 Judith Allton, NASA Johnson Space Center ([USA](#))
- **2.40 Wednesday**
Restoration of marine ecosystems following the Permian-Triassic mass extinction in Gondwanan interior sea
 Dr. Zhong Qiang Chen, University of Western Australia ([WA](#))
- **3.00 Wednesday**
Molecular and isotopic evidence for a microbial response to the Triassic–Jurassic mass extinction
 Dr. Kenneth Williford, Curtin University of Technology ([WA](#))
- **3.00 Wednesday**
Early evolution of Earth and Moon
 Dr. Alexander Nemchin, Curtin University of Technology ([WA](#))
- **3.20 Wednesday**
Position of the end-Permian mass extinction level and Permian Triassic boundary in Australia
 Prof. Ian Metcalfe, University of New England ([NSW](#))
- **5.15 Wednesday**
The Dalhousie Mound Spring Complex (South Australia) as a guide to Martian landforms and processes
 Dr. Jonathan Clarke, Mars Society Australia ([subject: SA](#))
- **11.35 Thursday - keynote**
The impact of impacts: impact as a geological process and its significance in economic geology
 Dr. Peter Haines, Geological Survey of Western Australia ([WA](#))
- **12.15 Thursday**
The geophysical signatures of Australia’s meteorite impact structures
 Dr. Phil Hawke, University of Western Australia ([WA](#))
- **12.35 Thursday**
A newly discovered meteorite impact crater, Ophthalmia Range, Western Australia
 Dr. Arthur Hickman, Geological Survey of Western Australia ([WA](#))
- **3.00 Thursday**
Direct field evidence for Archaean and early Proterozoic Eros-scale asteroid impacts and major geodynamic consequences, Kaapvaal and Pilbara Cratons
 Dr. Andrew Glikson, Australian National University ([speaker: ACT](#)) ([subject: WA](#))
- **3.40 Thursday**
New perspective on the Lunar Cataclysm from crater density populations
 Dr. Marc Norman, Australian National University ([ACT](#))

Dynamic Earth and Earth's environments

[Refer also to state sections for additional state-specific papers on these topics]

- **11.05 Monday**
The tilting continent and other geomorphic signals of mantle flow beneath Australia
Prof. Mike Sandiford, University of Melbourne ([Victoria](#))
- **4.05 Monday**
Mass wasting along the East Australian Continental Slope
Kriton Glenn, Geoscience Australia ([speaker: ACT](#)) ([subject: eastern states](#))
- **2.50 Tuesday**
Characteristics of the Australian Crust from seismic reflection profiling
Dr. Bruce Goleby, Geoscience Australia ([ACT](#))
- **11.35 Wednesday - keynote**
What drives major episodic reorganisations of the plate-mantle system?
Dr. Dietmar Muller, The University of Sydney ([NSW](#))
- **12.55 Wednesday**
On the dynamics of active continental margins
Dr. Patrice Rey, The University of Sydney ([NSW](#))
- **12.55 Wednesday**
Early history of Planet Earth from combined 142-143Nd and 176Hf isotopic signatures
Dr. Vickie Bennett, Australian National University ([ACT](#))
- **2.40 Wednesday**
The Cambro-Ordovician, the Centralian Superbasin (Part 2) and trans-Gondwanan Seaways
Robert S. Nicoll, Australian National University ([ACT](#))
- **5.15 Wednesday**
Discovery of a fossil slab in the lower mantle below the Tasman Sea using plate reconstructions and mantle tomography
Dr. Wouter Schellart, Monash University ([Victoria](#))
- **2.20 Thursday**
An exploratory laboratory study of the role of water in seismic-wave attenuation
Prof. Ian Jackson, Australian National University ([ACT](#))
- **3pm Thursday**
Supercontinents, supermountains and the rise of atmospheric oxygen
Prof. Ian Campbell, The Australian National University ([ACT](#))
- **3.20 Thursday**
Tectonics, plumes and supercontinents: the energy link
Dr. Graham Begg, Minerals Targeting International PL, GEMOC, Dept of Earth and Planetary Sciences, Macquarie University ([NSW](#))

Queensland talent/topics

[refer to other topic headings for additional Queensland speakers and topics]

- **11.20 Monday**
Queensland – program initiatives to attract exploration investment
Mal Jones, Geological Survey of Queensland

- **2.10 Monday**
Multiphase palaeochannel development on the Great Barrier Reef Shelf, Australia
Dr. Raphael Wust, James Cook University

- **2.30 Monday**
Next generation mineral mapping in Queensland: another piece to the precompetitive geoscience data puzzle
Tom Cudahy, CSIRO Exploration and Mining

- **12.05 Tuesday**
3D modelling and the implications for resource assessment
Dr. Margaretha Scott, Geological Survey of Queensland

NSW talent/topics

[refer to other topic headings for additional NSW speakers and topics]

- **2.30 Monday**
New South Wales, new frontiers, new opportunities
John Greenfield, Geological Survey of NSW

- **4.25 Monday**
Discovery of a large Palaeochannel during exploratory groundwater investigations at Glen Innes, NSW
Graham Hawkes, Parsons Brinckerhoff

- **5.25 Monday**
Dryland salinity and geodiversity on the Southern Tablelands of NSW: the use of the EM (and AEM) technique for mapping and management?
Glen Bann, Australian National University

- **3.20 Wednesday**
Tsunami hazard in south-eastern Australia: preliminary findings from palaeotsunami investigations on the NSW coast
Amy Prendergast, Geoscience Australia

Victoria talent/topics

[refer to other topic headings for additional Victorian speakers and topics]

- **2.50 Monday**
Rediscover Victoria in 3D
Paul McDonald, GeoScience Victoria

- **11.05 Tuesday**
Quantitative assessment of undiscovered gold endowment in central Victoria – process and implications
Vladimir Lisitsin, GeoScience Victoria

- **11.45 Tuesday**
Central Victorian deep crustal reflection seismic survey 2006: implications for mineralisation
Clive Willman, GeoScience Victoria

- **5.05 Tuesday**
Crustal architecture of Central Victoria: results from the 2006 deep crustal reflection seismic survey
Dr. Russell Korsch, Pmd*^{CRC}

Tasmania talent/topics

[refer to other topic headings for additional Tasmanian speakers and topics]

- **3.10 Monday**
The TasExplore Initiative and more: updating the 3-D geological model of Tasmania
Dr. Geoffrey Green, Mineral Resources Tasmania / Geological Survey Tasmania

- **3.10 Tuesday**
Drilling of shallow marine sulfide-sulfate mineralization in the south-eastern Tyrrhenian Sea, Italy
Prof. Bruce Gemmill, CODES, University of Tasmania

- **3.00 Wednesday**
Toward an understanding of tsunami risk in Tasmania
Colin Mazengarb, Mineral Resources Tasmania

- **11.35 Thursday**
A regional landslide susceptibility programme in Tasmania
Colin Mazengarb, Mineral Resources Tasmania

SA talent/topics

[refer to other topic headings for additional SA speakers and topics]

- **2.30 Monday**
Ice-rafting in the Mid-Ediacaran (~580 Ma) Adelaide Geosyncline and Officer Basin, South Australia
Dr. Victor Gostin, University of Adelaide

- **3.10 Tuesday**
Distribution and ecology of benthic foraminifera in the Coorong Lagoon and adjacent waters, South Australia; to aid palaeo-reconstructions
Prof. John Cann, University of South Australia

- **4.45 Tuesday**
Resource mapping: a key ingredient for the mineral resources and development balancing act in South Australia
Stuart Robertson, Geological Survey Branch, PIRSA Minerals and Energy Resources

- **4.45 Tuesday**
Benthic Foraminifera assemblages in the northern Spencer Gulf, South Australia - further evidence for Holocene sea-level changes
Mary-Anne Binnie, University of South Australia

- **12.55 Wednesday**
Sedimentary uranium in South Australia's Frome Embayment: a case history of the first discoveries, 1967-1974
Dr. Barry Cooper, Primary Industries & Resources South Australia

- **12.35 Thursday**
Evolution of the Gawler-Adelie Craton: links with Antarctica, northern Australia and basement of the Trans-Hudson Orogen
Justin Payne, University of Adelaide

WA talent/topics

[refer to other topic headings for additional WA speakers and topics]

- **11.45 Monday**
The palaeontology and palaeoecology of the 2.7Ga Tumbiana Formation, Pilbara Craton, Western Australia
Jessica Coffey, Macquarie University
- **1.50 Monday**
Dr. Tim Griffin, Geological Survey Western Australia
- **2.30 Monday**
Hydrogeology of the Leederville aquifer near Margaret River
David Schafer, Department of Water
- **3.10 Monday**
Understanding the landscapes of the Perth Region
Bob Gozzard, Geological Survey of Western Australia
- **5.05 Monday**
Groundwater – an agent of geology in land and water salinisation in the south-west of Western Australia
Jayath Da Silva, Department of Water
- **5.05 Monday**
Proposed IODP coring of Cenozoic sequences of the northern Carnarvon Basin of Australia to answer global eustatic questions
Dr. Neville Exon, Australian National University
- **11.45 Tuesday**
Evaluating the geology and petroleum prospectivity of frontier exploration areas within the offshore north Perth Basin
Diane Jorgensen, Geoscience Australia
- **12.25 Tuesday**
Does the Capricorn Orogen control seismicity in the Carnarvon Basin?
Dr. Myra Keep, University of Western Australia
- **2.30 Tuesday**
Coastal Geographic Information System for the northern agricultural region of the Western Australian coast
Alexandra Stevens, Curtin University
- **2.50 Tuesday**
A comparative gold prospectivity assessment of the Lake Victoria Greenstone Terrane, NW Tanzania and the Eastern Goldfields Province, Western Australia
Dr. Frank Bierlein, University of Western Australia & Ivo M.A.Vos, Resolute Mining (Tanzania) Ltd

- **4.25 Tuesday**
The role of land use geoscience in urban planning and development in the Goldfields of Western Australia
 Chris Kojan, Geological Survey of Western Australia
- **4.25 Tuesday**
Sea level reconstructions from fossil coral reefs along the Cape Range coast, WA
 Dr. Andrea Dutton, Australian National University
- **5.05 Tuesday**
Using novel prospectivity mapping tools, Self Organising Maps (SOMs), Fuzzy Neural Networks (FNNs), and Radial Basis Functional Link Nets (RBFLNs), to evaluate the orogenic gold and IOCG potential of Finland
 Prof. David Groves, University of Western Australia
- **5.25 Tuesday**
Titanium-zircon minerals – using geoscience in Western Australia to ensure future resource extraction
 Warren Ormsby, Geological Survey WA, Department of Industry & Resources
- **12.35 Wednesday**
Exploration for sandstone-type uranium deposits in Tertiary Palaeochannels in the south of Western Australia
 Prof. Mike Dentith, University of Western Australia
- **12.35 Wednesday**
The Glenburgh Terrane: a record of subduction and collision in the Paleoproterozoic Capricorn Orogen of Western Australia
 Dr. Simon Johnson, Geological Survey of Western Australia
- **5.15 Wednesday**
Towards a better assessment of the seismic hazard in the southwest of Western Australia
 Beatriz Estrada, University of Western Australia
- **12.15 Thursday**
Discovery trails to early Earth – a traveller’s guide to the east Pilbara
 Dr. Martin Van Kranendonk, Geological Survey of Western Australia
- **2.20 Thursday**
Tropicana Deposit: a new gold province in Western Australia
 Dr. Mark Doyle, AngloGold Ashanti Limited

NT talent/topics

[refer to other topic headings for additional NT speakers and topics]

- **2.50 Monday**
Ngukurr groundwater investigation, Northern Territory, Australia
Jonothan Sumner, Northern Territory Government

- **4.05 Monday**
Opening up new base metals, uranium and REE provinces in central Australia through pre-competitive geoscience
Ian Scrimgeour, NT Geological Survey

- **2.40 Thursday**
Constraints on the genesis of the Nolans Bore REE-P-U-Th deposit, Northern Territory
Kelvin Hussey, Arafura Resources

[ENDS]