

AESC 2008
The Dynamic Earth - From Crust to Core Theme

Sunday 20 July 2008			
0900–1700	PRE- CONFERENCE WORKSHOPS [TBA]		
1500–1900	Registration		
1730–1900	Trade Display Opens		
1730–1900	Ice Breaker		
Monday 21 July 2008			
0800–1700	Registration		
0900–0930	Conference Opening		
	Prof. Lyn Beazley, University of Western Australia		
0930–1030	Plenary Session 1		
	Mawson Lecture		
	Making Mountains: Geological drivers and environmental consequences Prof. Peter Cawood, University of Western Australia		
1030–1100	Morning Tea		
1100–1245	Concurrent Session 1		
	A6	A7	A8
	DYNAMIC EARTH (1) - Orogens and Basins: Indicators of Continental Process (Convenor: Russell Korsch)	DYNAMIC EARTH (2) - Archean processes and Crustal Evolution	DYNAMIC EARTH (3) - Tectonics, the Landscape & Regolith Evolution 1
1105–1145	KEYNOTE The accretion model for orogenesis Prof. Gordon Lister, Australian National University	KEYNOTE The Early Mantle: Depletion, Plates, Resurfacing Episodes and Isotopes Dr. Geoff Davies, Australian National University	KEYNOTE The tilting continent and other geomorphic signals of mantle flow beneath Australia Prof. Mike Sandiford, University of Melbourne
1145–1205	A parametric study of overriding plate shortening and extension above subduction zones: Explaining the formation of the Andes Dr. Wouter Schellart, Monash University	Continental materials on Earth by 4.5 Ga from Hf-Pb isotope systematics of the Jack Hills zircons, Western Australia Dr. Tony Kemp, James Cook University	KEYNOTE Geochronology of regolith-landform evolution in Australia: a brief review Prof. Brad Pillans, The Australian National University
1205–1225	Orogen-scale tectonic shuffle zones Dr. Marnie Forster, The Australian National University	Surface area of emerged land and depth of mid-oceanic ridges in the Archean Nicolas Flament, The University of Sydney	
1225–1245	U-Pb isotopic age constraints on event timing in the Southern Granulite Terrane, India Dr. Chris Clark, Curtin University of Technology	Formation of Archean continental crust from an oceanic plateau in a non-subduction setting: the east Pilbara example Dr. Martin Van Kranendonk, Geological Survey of Western Australia	Visualising landscape evolution with SRTM data: regolith landform mapping in the Tanami Dr. Richard Langford, Department of Industry and Resources
1245–1345	Lunch & Poster Presentations		

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Concurrent Session 2				
1345–1530	B6	B7	B8	
	DYNAMIC EARTH (1) - Orogens and Basins Indicators of Continental Process	DYNAMIC EARTH (2) - Archean processes and Crustal Evolution	DYNAMIC EARTH (3) - Tectonics, the Landscape & Regolith Evolution 1	
1350–1430	KEYNOTE Geodynamics and Basin Evolution Jane Blevin, FrOG Tech Pty Ltd	KEYNOTE Ophiolite in the Eoarchaeon (>3700 Ma) Isua supracrustal belt (Greenland): A 41 year-old debate Prof. Allen Nutman, Chinese Academy of Geological Sciences	KEYNOTE The Top Down paradigm – do plants control groundwater and weathering in semi-arid Australia? Dr. David Gray, CSIRO Exploration and Mining	
1430–1450	Timor stratigraphy reconstructed: Permian to Middle Jurassic Eujay McCartain, University of Western Australia	Archean plate tectonic processes in southwest Greenland Prof. John Myers, Curtin University of Technology	A Regolith and Landscape Evolution Framework for Mineral Exploration Under Cover in the Northern Flinders Ranges – Frome Embayment, South Australia Dr. Steve Hill, University of Adelaide / CRC LEME	
1450–1510	Timor stratigraphy reconstructed: 155 Ma to present Dr. David Haig, The University of Western Australia	Dating high-grade metamorphic events in the Narryer Terrane by U-Pb SHRIMP analysis of monazite and zircon Dr. Janet Muhling, University of Western Australia	New Insights into Landscape Evolution of the Eucla Basin and Palaeochannels, Southern Australia Dr. Baohong Hou, CRC LEME PIRSA	
1510–1530	Timor stratigraphy deconstructed: Neogene and ongoing collision Dr. Myra Keep, University of Western Australia	U-Pb dating of monazites from Mt. Narryer metasedimentary rocks Dr. Tsuyoshi Iizuka, The Australian National University	Understanding the landscapes of the Perth Region Bob Gozzard, Geological Survey of Western Australia	
Afternoon Tea & Poster Presentations				
Concurrent Session 3				
1600–1745	C6	C7	C8	
	DYNAMIC EARTH (1) - Orogens and Basins Indicators of Continental Process	DYNAMIC EARTH (2) - Archean processes and Crustal Evolution	DYNAMIC EARTH (3) - Tectonics, the Landscape & Regolith Evolution 1	
1605–1625	Depositional age and provenance of the Palaeoproterozoic Hutchison Group, Southern Gawler Craton, South Australia Dr. Karin Barovich, University of Adelaide	Metamorphic evolution of the Eastern Goldfields Superterrane Dr. Ben Goscombe, pmd*CRC	KEYNOTE The dregs of weathering: regolith mineralogy and chemistry Prof. Robert Gilkes, The University of Western Australia	
1625–1645	U-Pb, Nd and Hf isotopic constraints on basin development and deformation in the Western Gawler Craton Katherine Howard, University of Adelaide	An integrated tectonic framework of the Eastern Goldfields Superterrane Karol Czarnota, pmd*CRC		
1645–1705	Tectonothermal evolution of the Kimban Orogeny, Southern Gawler Craton; evidence for extrusional tectonics during the development of a transpressional orogen Rian Dutch, University of Adelaide	Granite–greenstone associations of the Yamarna – Irwin Hill region, Burtville Terrane, Yilgarn Craton, Australia Dr. Sandra Romano, Geological Survey of Western Australia	Recognition and geological significance of Cenozoic paleosols in the regolith profile Dr. Mehrooz Aspandiar, CRC LEME, Curtin University of Technology	

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1705–1725	The Kararan Orogeny - a link between the Proterozoic North Australian and South Australian cratons? Dr. Geoffrey Fraser, Geoscience Australia	Neoproterozoic siliciclastic sedimentary successions of the central Yilgarn: an equivalent to the Eastern Goldfields Superterrane late-stage basins? Dr. Angela Riganti, Geological Survey of Western Australia	How psololiths form Ravi Anand, CRC LEME	
1725–1745	Crustal to lithospheric-scale structure of the Capricorn Orogen from magnetotellurics Dr. Kate Selway, University of Adelaide	Large volumes of mafic magmatism affecting Meso–Neoproterozoic crust, Murchison Domain, Youanmi Terrane, Yilgarn Craton, Western Australia Dr. Tim Ivanic, Geological Survey of Western Australia	Secondary minerals from the Braeside lead field, Pilbara, Western Australia Dr. Peter Downes, Western Australian Museum	
1745–1845	Happy Hour (Expo Area)			
1800 - 2000	SEG Mentor Event (venue tba)			
Tuesday 22 July 2008				
0800–1700	Registration			
0900–1030	Plenary Session 2 - International Year of Planet Earth			
0900-0945	Australia's Energy Future (IYPE Theme: Resources - towards Sustainable Use) Peter McCabe			
0945-1030	The Geological History of Climate Change Prof. Malcolm Walter, University of New South Wales			
1030–1100	Morning Tea			
1100–1245	Concurrent Session 4			
	D6	D7	D9	
	DYNAMIC EARTH (1) - Orogens and Basins Indicators of Continental Process	DYNAMIC EARTH (4) - Continental Lithosphere Structure, Evolution and the Upper Mantle	DYNAMIC EARTH (6) - The Phanerozoic: Young rocks, old processes?	
1105–1125	Vines 1 revisited: Neoproterozoic successions in Western Australia Roger Hocking, Geological Survey of Western Australia	KEYNOTE Archean Lithospheric mantle: formation, composition and today's refertilise remains Dr. Suzanne O'Reilly, Macquarie University	Isotopic evidence for continental growth during accretionary orogenesis in the Tasmanides, eastern Australia' Dr. Tony Kemp, James Cook University	
1125–1145	Tectonic Controls on the Sequence Stratigraphic Architecture in a Non-marine Rift-basin Setting: An Example from the Tertiary Bohai Bay, East China Dr. Zhu Hongtao, China University of Geosciences/CSIRO Petroleum Resources			
1145–1205	Provenance of metasedimentary rocks from the Entia Dome, eastern Arunta Region, central Australia: a combined U-Pb SHRIMP, LA-ICPMS and Sm-Nd isotope study. Dr. Benjamin Wade, University of Adelaide	Integrated isotope and trace element analyses of detrital minerals from the Frankland River (SW Australia) Dr. Bruno Dhuime, University of Bristol	Provenance of Ophiolitic Sand: Comparison of Ancient and Modern Sand Melissa Murphy, Macquarie University	
1205–1225	Basement faults control over salt-driven tectonics in the Central Flinders Ranges, South Australia Dr. Guillaume Backé, CMXUC University of Adelaide	TerraneChron" approach to the crustal evolution studies and implications for continental growth Dr. Elena Belousova, Macquarie University	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	

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1225–1245	Does the Capricorn Orogen control seismicity in the Carnarvon Basin? Dr. Myra Keep, University of Western Australia	Elastic thickness of Precambrian cratons - a global study Dr John Kirby, Curtin University of Technology	The Sierras Pampeanas – Puna basin connection: Ordovician crustal thinning and back-arc basin formation at the SW Gondwana margin Dr. Steffen Büttner, Rhodes University	
1245–1345	Lunch & Poster Presentations			
1345–1530	Concurrent Session 5			
	E6	E7	E9	
	DYNAMIC EARTH (1) - Orogens and Basins Indicators of Continental Process	DYNAMIC EARTH (4) - Continental Lithosphere Structure, Evolution and the Upper Mantle	DYNAMIC EARTH (6) - The Phanerozoic: Young rocks, old processes?	
1350–1410	A record of late Palaeoproterozoic metamorphism and reworking in the Cadney Metamorphics, Strangways Metamorphic Complex, central Australia Dr. Ben Wade, University of Adelaide	KEYNOTE Lithospheric Edges and Sutures Prof. Brian Kennett, Research School of Earth Sciences	KEYNOTE The Phanerozoic: Reconciling modern plate tectonics with ancient orogenic systems and crustal growth Prof. William Collins, James Cook University	
1410–1430	Proterozoic crustal architecture and evolution in the Mount Isa region: new insights from seismic reflection profiling Dr. George Gibson, Geoscience Australia			
1430–1450	Using time-constrained facies belts and sequence models to correlate the Western and Eastern successions of the Mt Isa Inlier: implications for fluid migration Dr. Peter Southgate, Geoscience Australia	The Shear Wavespeed Structure of the Australian Lithosphere: Is it Compatible with Physically Based Models? Dr. Stewart Fishwick, University of Leicester	Accretion of a Late Ordovician island arc terrane into the northern Tasmanides and its implications for orogenesis Prof. Robert Henderson, James Cook University	
1450–1510	New geochronological constraints on sedimentation in the Georgetown Inlier: Correlations with the Mount Isa Inlier Dr. Narelle Neumann, Geoscience Australia	Characteristics of the Australian Crust from Seismic Reflection Profiling Dr. Bruce Goleby, Geoscience Australia	Palaeozoic granites in central Queensland: a transect across the Thomson - New England Orogen boundary; implications of the role of crustal composition for granite formation Emma Mathews, Geoscience Australia	
1510–1530	An integrated sedimentological, geochemical and geochronological analysis of Georgetown: Constraints on basin development and paleo reconstructions Alexis Lambeck, Geoscience Australia	WOMBAT: An evolving seismic array experiment in Australia Dr Nicholas Rawlinson, Australian National University	Age and provenance of the Owen Stanley Metamorphic Complex (East Papuan Composite Terrane) in Morobe Province, Papua New Guinea Dr. Robert Findlay, Montagu Minerals Mapping Pty Ltd	
1530–1600	Afternoon Tea & Poster Presentations			
1600–1745	Concurrent Session 6			
		F7	F9	
	DYNAMIC EARTH (1) - Orogens and Basins Indicators of Continental Process	DYNAMIC EARTH (4) - Continental Lithosphere Structure, Evolution and the Upper Mantle	DYNAMIC EARTH (6) - The Phanerozoic: Young rocks, old processes?	
1605–1625		From the strengthening, emergence and erosion of continents in the Neoproterozoic, to the coupling of Earth's geochemical reservoirs Dr. Patrice Rey, The University of Sydney	Potential field models of the Bancannia Trough – Koonenberry Belt system, NSW: tectonics of a rifted arc Dr. Robert Musgrave, Geological Survey of NSW	

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1625–1645		Strength of high-geotherm lithosphere: Weak, strong, or failing? Shane Richardson, The University of Western Australia	Attenuation of high-strain zones in the Wyangala Granite, Eastern Lachlan Fold Belt, NSW, Australia. Lloyd White, Geoscience Australia	
1645–1705		Anisotropy of Lithosphere Strength Dr. David Healy, Curtin University of Technology	Tectonic extrusion of the Thomson Orogen: Australia-Asia equivalent of India-Asia deformation Dr. Chris Klootwijk, Australian National University	
1705–1725		Crustal architecture of Central Victoria: results from the 2006 deep crustal reflection seismic survey Dr. Russell Korsch, Pmd*CRC	Geological structure of the Kumbruf volcanic arc (Bismarck Range, PNG Highlands) Dr. Peter Kovac, Mssp-Geomap	
1725–1745		The southwestern Laurentian lithosphere in the northern Rockies, USA: crustal provinces, plutonic imaging, and seismic structure Prof. David Foster, University of Florida	Mirror Images in East and West Papua Bryan Ruxton, University of Canberra	
1745–1845	Happy Hour (Expo Area)			
1830-2030	Student Careers Night (Expo Area)			
1900–2200	GeoTrivia Night [Meeting Room 5]			
Wednesday 23 July 2008				
0800–1700	Registration			
0900–1030	Plenary Session 3 - International year of Planet Earth			
0900-0945	The Yarragadee Aquifer (IYPE Theme: Groundwater - towards sustainable use) Phil Commander			
0945-1030	The Tsunami Risk to Australia and what is being done to mitigate it (IYPE Theme: Hazards - minimizing risk, maximising awareness) Dr. Barry Drummond, Geoscience Australia			
1030-1105	Mixed Awards (35 mins)			
1105-1130	Morning Tea			
1130-1315	Concurrent Session 7			
	G3	G6	G7	G9
	CANNING BASIN SYMPOSIUM (X) - Geochemical Basin dynamics and resource implications	DYNAMIC EARTH (7) - Plate Tectonic Processes & the Dynamic Mantle	DYNAMIC EARTH (8) - The Proterozoic: Intercontinental vs Accretionary process	DYNAMIC EARTH (5) - Mantle Melts: A Spectrum of Process
1135–1215	KEYNOTE Devonian reef complexes of the Canning Basin: 50 years of research Dr. Phillip Playford, Geological Survey of Western Australia	KEYNOTE What drives major episodic reorganisations of the plate-mantle system? Dr. Dietmar Muller, The University of Sydney	KEYNOTE Proterozoic accretionary processes of Australia and comparisons with Laurentia. Dr. Peter Betts, Monash University	KEYNOTE Mantle melting Dr. Nick Arndt, Université De Grenoble
1215-1235	The significance and origin of the biomarker crocetane in Devonian source rocks and crude oils (Western Canada Sedimentary Basin and Canning Basin, WA) Ercin Maslen, Curtin University of Technology	Deep subduction dynamics and its expression in plate motions Dr. Fabio Antonio Capitanio, Monash University	Nd isotopes and their utility in crustal evolution studies in Proterozoic Australia Dr. Karin Barovich, University of Adelaide	Three-dimensional morphology of magmatic sulphides sheds light on ore formation, mantle melting and segregation of the Earth's core Dr. Marco Fiorentini, Centre for Exploration Targeting, The University of Western Australia

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1235-1255	Cyclicity in Late Devonian conglomerates, Lennard Shelf, Canning Basin, W.A. Roger Hocking, Geological Survey of Western Australia	Integrating deep Earth dynamics in paleogeographic reconstructions of Australia Dr. Christian Heine, EarthByte Group	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	Experimental constraints on the slab component of arc magmas Dr. Joerg Hermann, Research School of Earth Sciences, The Australian National University
1255-1315	Controls on syndepositional fracture patterns, Devonian reef complexes, Canning Basin, Western Australia Dr. Edmund Frost, ConocoPhillips - Subsurface Technology	On the dynamics of active continental margins Dr. Patrice Rey, The University of Sydney	Reinterpretation of high-temperature metamorphism within a continental back-arc setting for the Broken Hill Block, NSW Dr. Caroline Forbes, University of Adelaide	Early History of Planet Earth from Combined 142-143Nd and 176Hf Isotopic Signatures Dr. Vickie Bennett, Australian National University
1315-1415	Lunch & Poster Presentations			
1415-1600	Concurrent Session 8			
	H3	H6	H7	H9
	CANNING BASIN SYMPOSIUM (X) - Geochemical Basin dynamics and resource implications	DYNAMIC EARTH (7) - Plate Tectonic Processes & the Dynamic Mantle	DYNAMIC EARTH (8) - The Proterozoic - Intercontinental vs Accretionary process	DYNAMIC EARTH (5) - Mantle Melts: A Spectrum of Process
1420-1440	Canning Basin oil and gas potential Neil Thompson, ARC Energy Limited	KEYNOTE Subduction zone dynamics on Earth: Insight from geodynamic models, kinematic calculations and observations Dr. Wouter Schellart, Monash University	KEYNOTE The Proterozoic: Hiding Archean in the basement Prof. William Griffin, Macquarie University	KEYNOTE Large Igneous Provinces, Mantle Plumes and Crust Generation Prof. Chris Hawkesworth, University of Bristol
1440-1500	The Cambro-Ordovician, the Centralian Superbasin (Part 2) and trans-Gondwanan Seaways Robert S. Nicoll, Australian National University			
1500-1520	Provenance of Paleozoic sandstone in the Canning Basin using SHRIMP U-Pb dating of detrital zircons Dr. Peter Haines, Geological Survey of Western Australia	The emergence of steady-state plate tectonics in dynamic mantle models Dr. Craig O'Neill, Macquarie University	Formation of the eclogite hosting 2.0 Ga Usagaran Orogenic belt, Tanzania Rachael Brick, University of Adelaide	The extent and distribution of the Kalkarindji Large Igneous Province Dr. Lena Z. Evins, School of Earth and Geographical Sciences, The University of Western Australia
1520-1540	The Permian Conodont biostratigraphy of Western Australia - an update Robert S. Nicoll, Australian National University	Multi-scale Earth System Dynamics Coupling Mechanics with Chemistry Prof. Klaus Regenauer-Lieb, UWA and CSIRO E&M	Mineralogy of Mesoproterozoic high heat producing granite and mafic dyke from Mount Painter Province Kamonporn Kromkhun, The University of Adelaide	Systematic PGE depletion in early- to mid-Archean komatiites from the Pilbara and Kaapvaal cratons Dr. Wolfgang Maier, University of Western Australia
1540-1600		How to recognise flat-slab subduction and foundering: an example in orogenic, magmatic and basin records of Mesozoic South China Prof. Zheng-Xiang Li, Curtin University of Technology		Evidence for a Mesoproterozoic hotspot track in eastern and central Australia Dr. Peter Betts, Monash University
1600-1630	Afternoon Tea & Poster Presentations			
1630-1815	Concurrent Session 9			
	I6	I7	I9	
	DYNAMIC EARTH (7) - Plate Tectonic Processes & the Dynamic Mantle	DYNAMIC EARTH (8) - The Proterozoic: Intercontinental vs Accretionary process	DYNAMIC EARTH (5) - Mantle Melts: A Spectrum of Process	
1635-1655	Early Archean tectonics and the start of modern subduction Dr. Martin Van Kranendonk, Geological Survey of Western Ausatralia	Assembling the western North Australian Craton: Linking the King Leopold, Halls Creek, Granites-Tanami and Arunta orogens Dr. Ian Tyler, Geological Survey of Western Australia	Little time for a lot of LIP: Relative timing of magmatism and deformation during the c. 1070 Ma Giles Event in the Musgrave Complex of Western Australia Dr. Paul Evins, Geological Survey of Western Australia	

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1655-1715	Thermochemical controls on the subduction of oceanic plateaus Wendy Mason, Monash University	Extension in lower crustal granulite facies mafic orthogneisses of the Biranup Complex (Albany-Fraser Orogen), Bremer Bay, Western Australia Miriam Barquero-Molina, Department of Geological Sciences	Geochemical and Nd isotopic signatures of mafic dykes in the western Musgrave Complex Dr. Heather Howard, Geological Survey of Western Australia	
1715-1735	Discovery of a fossil slab in the lower mantle below the Tasman Sea using plate reconstructions and mantle tomography Dr. Wouter Schellart, Monash University	The c. 1680 Ma Dalypu Gneiss of the Albany-Fraser Orogen, Western Australia: What is it, and where did it come from? Dr. Catherine Spaggiari, Geological Survey of Western Australia	Plate vs. plume: clues from Neoproterozoic geodynamic record Prof. Zheng-Xiang Li, Curtin University of Technology	
1735-1755	Elastic Behaviour of Earth's Lower Mantle Solids Under High Compression' Prof. S. C. Goyal, R.B.S. College, Bichpuri, Agra	The crustal evolution of the Musgrave Province Ailsa Schwarz, University of Adelaide	Comparing isotopic and trace element geochemistry of the St Peter Suite with later gabbroic intrusions Neil Chalmers, PIRSA	
1755-1815	Physical Properties of Ar, Kr, and Xe In Earth's Deep Interior Dr. Seema Gupta, Agra College & Prof. S. C. Goyal, R.B.S. College, Bichpuri, Agra	A kinematic, metamorphic and geochronological framework for intracratonic reworking in the western Musgrave Block, central Australia: evidence for lower crustal extrusion? Tom Raimondo, University of Adelaide	The Uralla Magmatic Centre: preservation of plutonic and volcanic rocks representing an upper crustal section of some 8 km Richard Flood, Macquarie University	
1930-2300	Dinner (Bellevue Room 1)			
Thursday 24 July 2008				
0830-1700	Registration			
0900-1030	Plenary Session 4 - International Year of Planet Earth			
0900-0945	The dynamic earth - the new perspective from deep seismic imaging (IYPE Theme: Deep Earth - from crust to core) Prof. Michael Gurnis, California Institute of Technology, USA			
0945-1030	New Views of the Chemistry and Geology of the Crust of Mars Dr. Jeffrey Taylor, Hawaii Institute of Geophysics and Planetology, USA			
1030-1100	AIG / GSA Awards (30 mins)			
1100-1130	Morning Tea			
1130-1315	Concurrent Session 10			
	J6	J7	J9	J7
	DYNAMIC EARTH (10) - Breakthroughs from the Laboratory	DYNAMIC EARTH (8) - The Proterozoic: Intercontinental vs Accretionary process	DYNAMIC EARTH (11) - Riding the Supercontinent Cycle	
1135-1155	Advances in SHRIMP zircon U-Pb geochronology and oxygen isotopic analysis Dr. Ian Williams, The Australian National University	New mapping from potential fields data in the Aïr, Damagaram, and South Maradi regions of Niger, West Africa Mr. Jurriaan Feijth, Fugro Airborne Surveys	KEYNOTE Formation of a Supercontinent, Framework of the Super-Resource: The East African Orogen and the Amalgamation of Arabia Dr. Alan Collins, University of Adelaide	
1155-1215	Titanite as a tracer of crustal evolution Dr. Craig Storey, University of Bristol	Paleoproterozoic terrane boundaries in the unexposed Northern Gawler Craton, Marla Region: new insights from a geophysical perspective Dr. Graham Baines, CMXUC University of Adelaide		
1215-1235	The Effects of Crystal-Plastic Deformation on the U, Th, Pb, REE and Ti Geochemistry of Zircon Dr. Nick Timms, Curtin University of Technology	A Gawler Orocline?: Yarlbinda-Oolabinnia Shear Zone connections John Stewart, Monash University	The accretion of north and south Gondwana: evidence from U-Pb ages and Hf-isotopic compositions of detrital zircons from the Damara Orogen, Namibia Prof. David Foster, University of Florida	

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1235-1255	In situ measurement of sulphur isotope ratios: new developments and results using the SHRIMP Dr. Richard Armstrong, Australian National University	Metamorphism of the Mount Woods Domain, Gawler Craton Dr. Caroline Forbes, University of Adelaide	Evolution of the Gawler-Adelie Craton: Links with Antarctica, northern Australia and basement of the Trans-Hudson Orogen Justin Payne, University of Adelaide	
1255-1315	Dynamic permeability in fine-grained ultramylonites – implications for fluid flow in mid-crustal shear zones Dr. Florian Fousseis, SEGGS - UWA	Granulites in the Northern Gawler Craton: the high temperature record of Mesoproterozoic crustal thickening Kathryn Cutts, University of Adelaide	Were there two or three Proterozoic supercontinents? Quantitative tests of craton connections in Geon 24 Dr. Aleksey Smirnov, Michigan Technological University	
1315-1415	Lunch & Poster Presentations			
1415-1600	Concurrent Session 11			
	K6	K7	K9	
	DYNAMIC EARTH (10) - Breakthroughs from the Laboratory	DYNAMIC EARTH (8) - The Proterozoic: Intercontinental vs Accretionary process	DYNAMIC EARTH (11) - Riding the Supercontinent Cycle	
1420-1440	An exploratory laboratory study of the role of water in seismic-wave attenuation Prof. Ian Jackson, Australian National University	Early Mesoproterozoic crustal anatexis in the Gawler Craton, South Australia Justin Payne, University of Adelaide	Crustal budgets, shifting continents and the search for Proterozoic ores Prof. David Giles, The University of Adelaide	
1440-1500	Towards laboratory study of dislocation-related seismic-wave attenuation in olivine Robert Farla, Australian National University	Textural controls on c. 1675, 1600, and 510 Ma monazite around Broken Hill Dr. Paul Evins, Geological Survey of Western Australia		
1500-1520	Deformation, Chemistry and Hydrogen in Olivine: Consequences for Mantle Flow Characterisation and Seismic Anisotropy of the Lithosphere A/Prof. Steve Reddy, Curtin University of Technology	Superimposed Neoproterozoic and Paleoproterozoic tectonometamorphic events in the Terre Adélie Craton (East Antarctica) Guillaume Duclaux, CSIRO Exploration and Mining	Supercontinents, supermountains and the rise of atmospheric oxygen Prof. Ian Campbell, The Australian National University	
1520-1540			Tectonics, plumes and supercontinents: The energy link Dr. Graham Begg, Minerals Targeting International PL	
1540-1600			THE DYNAMIC EARTH: Wrap-Up discussion	
1600-1630	Afternoon Tea & Poster Presentations			
1630-1730	Plenary Session 5			
	Best Paper and Poster Awards			