

| Sunday 20 July 2008 | | | | | | | | | | |
|--|---|---|--|---|--|--|---|---|---|--|
| 0900-1700 | | | | | | | | | | |
| 1500-1600 | | | | | | | | | | |
| 1730-1900 | | | | | | | | | | |
| 1730-1900 | | | | | | | | | | |
| PRE-CONFERENCE WORKSHOPS | | | | | | | | | | |
| Registration | | | | | | | | | | |
| Trade Display Opens | | | | | | | | | | |
| Ice Breaker | | | | | | | | | | |
| Monday 21 July 2008 | | | | | | | | | | |
| 0800-1700 | | | | | | | | | | |
| 0900-0940 | | | | | | | | | | |
| 0940-1030 | | | | | | | | | | |
| 1030-1100 | | | | | | | | | | |
| 1100-1245 | | | | | | | | | | |
| Morning Tea | | | | | | | | | | |
| Concurrent Sessions 1 | | | | | | | | | | |
| A1 - Meeting Room 5 | A2 - Meeting Room 2 | A3 - Meeting Room 3 | A4 - Meeting Room 6 | A5 - Meeting Room 1 | A6 - Meeting Room 4 | A7 - Meeting Room 7 | A8 - Meeting Room 8 | A9 - Meeting Room 9 | A10 - Meeting Room 10 | |
| RESOURCES (1) - Exploration Strategies and Technologies | EVOLUTION OF LIFE & SOLAR SYSTEM (1) - Evidence for Early Life | RESOURCES (2) - Being Smarter with our Data | GEOSCIENCE IN THE SERVICE OF SOCIETY (1) - Groundwater | RESOURCES (3) - Pre-competitive Geoscience Information - Window into the Future | DYNAMIC EARTH (1) - Orogens and Basins: Indicators of Continental Process (Convenor: Russell Korsch) | DYNAMIC EARTH (2) - Archaean processes and Crustal Evolution | DYNAMIC EARTH (3) - Tectonics, the Landscape & Regolith Evolution 1 | EARTH'S ENVIRONMENTS (4) - The Geology of Australia's Offshore areas | EARTH'S ENVIRONMENTS (1) - Palaeo-environments | |
| KEYNOTE How CRC LEME has provided breakthroughs in exploration through cover: 14 years of innovative regolith geoscience PhD Dr. Steve Rogers, CRC LEME | KEYNOTE The Quest for Perfection - Biogeny and the Early Fossil Record Prof. Stanley Awramik, University of California | KEYNOTE The Art and Science of Data Analysis - Building Talent for Future Resource Management Jacqui Coombes, Coombes Capability | KEYNOTE The Role of Hydrology in Mining Doug Brown, MWH | KEYNOTE Mineral Exploration-related research in the Minerals Down Under National Research Flagship Dr. David Gray, CSIRO Exploration and Mining | KEYNOTE The accretion model for orogenesis Prof. Gordon Lister, Australian National University | KEYNOTE The Early Mantle: Depletion, Plates, Resurfacing Episodes and Isotopes Prof. Mike Sandford, University of Melbourne | KEYNOTE The tilting continent and other geomorphic signals of mantle flow beneath Australia Prof. Richard Arculus, Australian National University | KEYNOTE Australia and the Integrated Ocean Drilling Program (IODP) Prof. Richard Arculus, Australian National University | KEYNOTE Ancient analogues for CO2 sequestration in coal measures, Gunnedah and Bowen Basins, Australia Dr. Sue Golding, University of Queensland | |
| 1105-1125 | 1125-1145 | 1145-1205 | 1205-1225 | 1225-1245 | 1245-1345 | 1345-1410 | 1410-1430 | 1430-1450 | 1450-1510 | |
| Stimulating greenfields mineral exploration: the West Virginia Isotopic geochemistry database Dr. Paul Morris, Geological Survey of Western Australia | The Palaeontology and Palaeoecology of the 2.7Ga Tumbana Formation, Pilbara Craton, Western Australia Jessica Coffey, Macquarie University | Compiling continent wide datasets for intelligent analysis David Jenkins, Terra Search Pty Ltd | Looking for mine water supply in the area of limited water allocation (Bogabri Coat, NSW) Katarina David, Parsons Brinckerhoff | State Survey initiatives: What have we learnt from PACE? Dr. Paul Hetherington, PIRSA | A parametric study of overlying 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 | Geochronology of regolith-landform evolution in Australia: a brief review Prof. Brad Pillay, The Australian National University | Quaternary evolution of Scott Reef, Northwest Shelf, Australia Dr. Lindsay Collins, Curtin University | Foraminiferal tracers for climate and water-quality changes in Permian interior seas in northeastern Gondwana Dr. David Hagg, The University of Western Australia | |
| 1205-1225 | 1225-1245 | 1245-1345 | 1345-1530 | 1530-1600 | 1600-1745 | 1745-1845 | 1845-1900 | 1900-1745 | 1900-1745 | |
| Studying surface attributes to reveal hidden regolith profiles: Geochemistry and mineralogy of terraces mounds of the Coyote Au-deposit and surrounds, Western Australia Anna Petts, CRCLEME/University of Adelaide | Highly elaborate putative microfossils from >2.97 Ga chert, Pilbara Craton: indications of 'cell division' Dr. Kenichiro Sugliani, Nagoya University | What are in-situ gold resources worth? An empirical study Mr. Jonathan Bell, Curtin University of Technology (WASU) | Australian Junior Exploration Plots - 2001-2006: And Their Implications For IPOs A/Prof. Pietro Guj, The University of Western Australia | Securing Australia's future wealth: The role of pre-competitive geoscience and Geoscience Australia's program James Johnson, Geoscience Australia | U-Pb isotopic age constraints on event timing in the Southern Grampians Terrane, India Dr. Chris Clark, Curtin University of Technology | Formation of Archaean 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 Tarnani Dr. Richard Langford, Department of Industry and Resources | Carbonate aeolianite systems within the Naturaliste-Levean region of southwest Western Australia: correlation with the Pleistocene-Holocene chronology of the Perth region Diane Jorgensen, Geoscience Australia | New perspectives on the palaeoecology of Cambrian phosphatic brachiopods Prof. Bob Henderson, James Cook University | |
| Lunch & Poster Presentations | | | | | | | | | | |
| Concurrent Sessions 2 | | | | | | | | | | |
| B1 - Meeting Room 5 | B2 - Meeting Room 2 | B3 - Meeting Room 3 | B4 - Meeting Room 6 | B5 - Meeting Room 1 | B6 - Meeting Room 4 | B7 - Meeting Room 7 | B8 - Meeting Room 8 | B9 - Meeting Room 9 | B10 - Meeting Room 10 | |
| RESOURCES (1) - Exploration Strategies and Technologies | EVOLUTION OF LIFE & SOLAR SYSTEM (1) - Evidence for Early Life | RESOURCES (2) - Being Smarter with our Data | GEOSCIENCE IN THE SERVICE OF SOCIETY (1) - Groundwater | RESOURCES (3) - Pre-competitive Geoscience Information - Window into the Future | DYNAMIC EARTH (1) - Orogens and Basins: Indicators of Continental Process | DYNAMIC EARTH (2) - Archaean processes and Crustal Evolution | DYNAMIC EARTH (3) - Tectonics, the Landscape & Regolith Evolution 1 | EARTH'S ENVIRONMENTS (4) - The Geology of Australia's Offshore areas | EARTH'S ENVIRONMENTS (1) - Palaeo-environments | |
| 1350-1410 | 1410-1430 | 1430-1450 | 1450-1510 | 1510-1530 | 1530-1600 | 1600-1745 | 1745-1845 | 1845-1900 | 1900-1745 | |
| Testing deposit models in the Eastern Goldfields Province, WA: the geochronology perspective using hydrothermal monazite and xenotime Prof. Neal McNaughton, Curtin University of Technology | The -3.43Ga Strelley Pool sandstone as an environment for early life Mr. Chris Stokkes, C.A. Stokkes Associates Consultant Geologists | The AuScope National Virtual Core Library - Development of a New National Pre-Competitive Data Set Jon Huntington, CSIRO Exploration and Mining | Petroleum Hydrology application to Groundwater Management James Underschutz, CSIRO | The impact of government pre-competitive geoscience data on mineral exploration in WA Dr. Tim Griffin, Geological Survey Western Australia | Geodynamic and Basin Evolution Jane Blevin, FOG Tech Pty Ltd | Ophiolite in the Eoarchaean (~3700 Ma) basaltic supracrustal belt (Greenland): A 41 year-old debate Prof. Allen Nutman, Chinese Academy of Geological Sciences | The Top Down paradigm - do plants control groundwater and weathering in semi-arid Australia? Dr. David Gray, CSIRO Exploration and Mining | Drowned reefs in the Great Barrier Reef and Hawaii: a new era in IODP coral reef drilling Dr. Jody Webster, James Cook University | Mistones in the evolution of the atmosphere with reference to climate change Dr. Andrew Gilson, Australian National University | |
| 1410-1430 | 1430-1450 | 1450-1510 | 1510-1530 | 1530-1600 | 1600-1745 | 1745-1845 | 1845-1900 | 1900-1745 | 1900-1745 | |
| Detection of K-falteration in the Concurry District, NW Queensland, using Hyperspectral Mineral Maps Carsten Laukamp, James Cook University | Stromatolites as a record of the biodiversity and physiology of early Earth Brett Nellan, University of New South Wales and Massachusetts Institute of Technology | Next generation mineral mapping in Queensland: Another piece to the pre-competitive geoscience data puzzle Tom Cudahy, CSIRO Exploration and Mining | Hydrogeology of the Leederville aquifer near Margaret River David Schaffer, Department of Water | New South Wales, New Frontiers, New Opportunities John Greenfield, Geological Survey of NSW | Timor stratigraphy reconstructed: Permian to Middle Jurassic Eujay McCartain, University of Western Australia | Archaean plate tectonic processes in south-west Greenland Prof. John Myers, Curtin University of Technology | A Regolith and Landscape Evolution Framework for Mineral Exploration Under Cover in the Northern Flanders Ranges - From Embayment, South Australia Dr. Steve Hill, University of Adelaide / CRC LEME | Multistage paleochannel development on the Great Barrier Reef Shelf, Australia Dr. Raphael Wüst, James Cook University | Chemical composition of seawater in Neoproterozoic and Palaeozoic: a contribution to the study of fluid inclusions in halite from Australia Prof. Panstrow Woyke, Panstrow Institut Geology | |
| 1430-1450 | 1450-1510 | 1510-1530 | 1530-1600 | 1600-1745 | 1745-1845 | 1845-1900 | 1900-1745 | 1900-1745 | 1900-1745 | |
| Technology advances: neutron activation borehole logging for measurement of elemental abundance, mineralogy, lithology, porosity and hydraulic conductivity Dr. Craig Smith, CSIRO | Morphological complexity and diversity in the c.3.49 Ga Strelley Pool Chert, Pilbara Craton - evidence for a biogenic origin Dr. Kathleen Gray, Geological Survey of Western Australia | Numerical Modelling of Strain Localisation in the Laverton Region, Western Australia Dr. Yanhu Zhang, CSIRO Exploration and Mining | Ngukur Groundwater Investigation, Northern Territory, Australia Jonathan Sumner, Northern Territory Government | Rediscover Victoria in 3D Paul McDonald, Geoscience Victoria | 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 Muhlimg, University of Western Australia | New Insights into Landscape Evolution of the Eucla Basin and Palaeochannels, Southern Australia Dr. Baohong Hou, CRC LEME PIRSA | Two New IODP Palaeoceanographic Drilling Opportunities in the Timor Sea: Late Quaternary Palaeoceanography and Tracking Sea Level change from the Late Miocene Bradley O'Byrne, Australian National University | Age constraints on the Sturtian Glaciation in Adelaide Geosyncline, South Australia and the Proterozoic Formation of Idaho, USA indicate that there was no single Sturtian Snowball A/Prof. Mark Fanning, The Australian National University | |
| 1450-1510 | 1510-1530 | 1530-1600 | 1600-1745 | 1745-1845 | 1845-1900 | 1900-1745 | 1900-1745 | 1900-1745 | 1900-1745 | |
| Field Portable XRF for geological in-situ sampling: calibration and refinement of instrumental precision and accuracy for field measurements Dr. Keith Sirocombe, Geoscience Australia | Environments of life at 3.5-3.3 Ga, evidence from the East Pilbara Terrane, Western Australia Dr. Martin Van Kranendonk, Geological Survey of Western Australia | Automated Polished Slab Image Analysis for Olivine Crystal Size Distribution Detection Dr. Eun-Jung Holden, The University of Western Australia | Hydrogeology of the Shallow Aquifers at wadi el-Ghussen, NE Jordan Wael Al-Azalah, Al Ai Baydyan University | The TasExplore Initiative and more: Updating the 3-D geological model of Tasmania Dr. Geoffrey Green, Mineral Resources Tasmania / Geological Survey Tasmania | 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 Braka, The Australian National University | Understanding the landscapes of the Perth Region Bob Gossard, Geological Survey of Western Australia | Mass wasting along the East Australian continental Slope Kriton Glenn, Geoscience Australia | Evidence for a massive H2S release to surface waters at the Precambrian Cambrian (PC-C) boundary from Mo isotopes Martin White, Australian National University | |
| 1510-1530 | 1530-1600 | 1600-1745 | 1745-1845 | 1845-1900 | 1900-1745 | 1900-1745 | 1900-1745 | 1900-1745 | 1900-1745 | |
| Technology, Innovation and the Boom Lindsay Kinner, Rio Tinto | Environments of life at 3.5-3.3 Ga, evidence from the East Pilbara Terrane, Western Australia Dr. Martin Van Kranendonk, Geological Survey of Western Australia | Automated Polished Slab Image Analysis for Olivine Crystal Size Distribution Detection Dr. Eun-Jung Holden, The University of Western Australia | Hydrogeology of the Shallow Aquifers at wadi el-Ghussen, NE Jordan Wael Al-Azalah, Al Ai Baydyan University | The TasExplore Initiative and more: Updating the 3-D geological model of Tasmania Dr. Geoffrey Green, Mineral Resources Tasmania / Geological Survey Tasmania | 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 Braka, The Australian National University | Understanding the landscapes of the Perth Region Bob Gossard, Geological Survey of Western Australia | Mass wasting along the East Australian continental Slope Kriton Glenn, Geoscience Australia | Evidence for a massive H2S release to surface waters at the Precambrian Cambrian (PC-C) boundary from Mo isotopes Martin White, Australian National University | |
| Afternoon Tea & Poster Presentations | | | | | | | | | | |
| Concurrent Sessions 3 | | | | | | | | | | |
| C1 - Meeting Room 5 | C2 - Meeting Room 2 | C3 - Meeting Room 3 | C4 - Meeting Room 6 | C5 - Meeting Room 1 | C6 - Meeting Room 4 | C7 - Meeting Room 7 | C8 - Meeting Room 8 | C9 - Meeting Room 9 | C10 - Meeting Room 10 | |
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| 1605-1625 | 1625-1645 | 1645-1705 | 1705-1725 | 1725-1745 | 1745-1845 | 1845-1900 | 1900-1745 | 1900-1745 | 1900-1745 | |
| KEYNOTE Transfer of research initiatives into practice - how effectively are new concepts driving exploration outcomes? Dr. Peter Williams, SRK Consulting | A reassessment of the evidence for sulphur-based microbial metabolic activity in the early Archaean at North Pole, Western Australia Prof. Bruce Runnegar, University of California | Using numerical modelling to target undiscovered gold in a brown-fields environment, an example from Tomago, WA Warren Potma, CSIRO Minerals Down Under National Research Flagship | The Upper Loddon 'deep lead' palaeoandean systems are discontinuous due to Mid Tertiary ENE-trending faults Sarah Haggerty, La Trobe University | Opening up new base metals, uranium and REE provinces in central Australia through pre-competitive geoscience Ian Scrimgeour, Northern Territory Geological Survey | Depositional age and provenance of the Palaeoproterozoic Huchuan Group, Southern Gawler Craton, South Australia Dr. Karin Barovich, University of Adelaide | Melamorphic evolution of the Eastern Goldfields Superterrane Dr. Ben Goscombe, pmf/CRC | KEYNOTE The dregs of weathering: regolith mineralogy and chemistry Prof. Robert Gilkes, The University of Western Australia | Mass wasting along the East Australian continental Slope Kriton Glenn, Geoscience Australia | Evidence for a massive H2S release to surface waters at the Precambrian Cambrian (PC-C) boundary from Mo isotopes Martin White, Australian National University | |
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| Predicting geophysical targets using reactive transport geochemical models Richard Chopping, PMD/CRC | Early Archaean Microorganisms Preferred Elemental Sulfur, Not Sulfate Pascal Philippot, Institut De Physique Du Globe De Paris | Hyperspectral modelling in mining and development: advances in the understanding of structurally controlled mineralisation Tony Roache, CSIRO | Discovery of a Large Palaeochannel During Exploratory Groundwater Investigations at Glen Innes, NSW Graham Hawkes, Parsons Brinckerhoff | Geology and Resources of New Guinea Hugh Davies, Mineral Resources Authority | J-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 Karel Czarnota, pmf/CRC | Geology of the submarine Melville Rise off Northeast Australia Dr. Neville Exxon, Australian National University | Facies patterns in carbonates of the Aplan Stage in Paranaíba Basin, Brazil and insights from possible modern analogues Ricardo Jabbert, Curtin University | Episodic anoxic events recorded in the Permian Triassic transition of the Meishan section, South China: Sedimentary characterisation and of faunal response Dr. Zhong Qiang Chen, University of Wollongong | |
| 1625-1645 | 1645-1705 | 1705-1725 | 1725-1745 | 1745-1845 | 1845-1900 | 1900-1745 | 1900-1745 | 1900-1745 | 1900-1745 | |
| Resource Assessment in the Drummond Basin, developing new concepts. Dr. Margaretha Scott, Geological Survey of Queensland | Sedimentology and Hydrogeology of Goode Road Palaeochannel, Perth, Western Australia Sean Adams, CRC LEME, Department of Applied Geology, Curtin University of Technology | Groundwater - an agent of geology in land and water salinisation in the southwest of Western Australia Jayath Da Silva, Department of Water | Dating salinity and geochemistry in the Southern Tablelands of NSW: the use of the EM (and AEM) technique for mapping and management? Glen Bann, Australian National University | Mineral exploration in New Zealand: new research framework and tools Nick Mortimer, GNS Science | Tectono-thermal evolution of the Kimbar Orogeny, Southern Gawler Craton: evidence for extensional tectonics during the development of a transpressional orogen Rian Dutch, University of Adelaide | Granite-greenschist associations of the Yamarna - Ivan Hill region, Burville Terrane, Yigam Craton, Australia Dr. Sandra Romano, Geological Survey of Western Australia | Recognition and geological significance of Cenozoic palaeosols in the regolith profile Dr. Mehrooz Aspinwall, CRC LEME, Curtin University of Technology | Caput and Faust basins - geoscientific assessment of an offshore frontier region Riko Hashimoto, Geoscience Australia | Coring of Cenozoic sequences of the northern Carnarvon Basin of Australia to answer global eustatic questions Dr. Neville Exxon, Australian National University | |
| 1645-1705 | 1705-1725 | 1725-1745 | 1745-1845 | 1845-1900 | 1900-1745 | 1900-1745 | 1900-1745 | 1900-1745 | 1900-1745 | |
| The National Geochemical Survey of Australia: Overview and progress Dr. Patrice De Caritat, Geoscience Australia | Distinguishing microbial carbonates using in-situ LA-ICP-MS trace element geochemistry: implications for biogeny Dr. Gregory E. Webb, Queensland University of Technology | Hyperspectral Interpretation of Alteration Haloes Associated with Victorian Orogenic Gold Deposits Emily House, Geoscience Victoria | Groundwater - an agent of geology in land and water salinisation in the southwest of Western Australia Jayath Da Silva, Department of Water | KEYNOTE A Workflow for Predictive Discovery - Thought Processes, Tools and Target Generation Mr. Paul Roberts, Predictive Discovery Pty Ltd | The Karara Orogen - a link between the Proterozoic North Australia and South Australian cratons? Dr. Geoffrey Fraser, Geoscience Australia | Neoproterozoic siliciclastic sedimentary successions of the central Yigam Craton, equivalent to the Eastern Goldfields Superterrane late-stage basins? Dr. Angela Rignall, Geological Survey of Western Australia | How proflits form Ravi Anand, CRC LEME | Late Cretaceous dyoxia in a southern high latitude deltaic to outer shelf succession, the Orewa Basin, southeast Australia A/Prof. Stephen Gallagher | Secondary minerals from the Braeside lead field, Pilbara, Western Australia Dr. Peter Downes, Western Australian Museum | |
| 1705-1725 | 1725-1745 | 1745-1845 | 1845-1900 | 1900-1745 | 1900-1745 | 1900-1745 | 1900-1745 | 1900-1745 | 1900-1745 | |
| Integration of Aneomagnetic Datasets for Gold and Diamond Exploration: An Image Analysis Approach Dr. Eun-Jung Holden, The University of Western Australia | Isotopic evidence for redox heterogeneity in the late Archaean and early Palaeoproterozoic Hamersley Basin, Western Australia Sue Golding, University of Queensland | Groundwater - an agent of geology in land and water salinisation in the southwest of Western Australia Jayath Da Silva, Department of Water | Dating salinity and geochemistry in the Southern Tablelands of NSW: the use of the EM (and AEM) technique for mapping and management? Glen Bann, Australian National University | Mineral exploration in New Zealand: new research framework and tools Nick Mortimer, GNS Science | The Karara Orogen - a link between the Proterozoic North Australia and South Australian cratons? Dr. Geoffrey Fraser, Geoscience Australia | Neoproterozoic siliciclastic sedimentary successions of the central Yigam Craton, equivalent to the Eastern Goldfields Superterrane late-stage basins? Dr. Angela Rignall, Geological Survey of Western Australia | How proflits form Ravi Anand, CRC LEME | Late Cretaceous dyoxia in a southern high latitude deltaic to outer shelf succession, the Orewa Basin, southeast Australia A/Prof. Stephen Gallagher | Secondary minerals from the Braeside lead field, Pilbara, Western Australia Dr. Peter Downes, Western Australian Museum | |
| 1745-1845 | 1845-1900 | 1900-1745 | 1900-1745 | 1900-1745 | 1900-1745 | 1900-1745 | 1900-1745 | 1900-1745 | 1900-1745 | |
| Happy Hour (Expo Area) | | | | | | | | | | |
| SEG Mentor Event (Johnny Walker Lounge) | | | | | | | | | | |
| Prog-on_v16 | | | | | | | | | | |

| Tuesday 22 July 2008 | | | | | | | | | | |
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| 0800-1700 0900-1030 | | | | | | | | | | |
| Registration Primary Session 2 - International Year of Planet Earth Australia's Energy Future (YFE) Theme: Resources - Towards Sustainable Use Peter McCabe The Geological History of Climate Change Prof. Malcolm Walter, University of New South Wales Morning Tea | | | | | | | | | | |
| 1030-1100 1100-1245 | | | | | | | | | | |
| D1 - Meeting Room 5 | D2 - Meeting Room 2 | D3 - Meeting Room 3 | D4 - Meeting Room 6 | D5 - Meeting Room 1 | D6 - Meeting Room 4 | D7 - Meeting Room 7 | D8 - Meeting Room 8 | D9 - Meeting Room 9 | D10 - Meeting Room 10 | |
| RESOURCES (3) - Energy Resources Petroleum, Coal & Geothermal Session | EVOLUTION OF LIFE & SOLAR SYSTEM (2) - The Pilbara Archean Drilling Project | RESOURCES (2) - Being Smarter with our Data Includes Prospectivity Analysis | GEOSCIENCE IN THE SERVICE OF SOCIETY (2) - Geoscience Information | RESOURCES (3) - Preemptive Geoscience Information - Window into the Future | DYNAMIC EARTH (1) - Orogens and Basins Indicators of Continental Process | DYNAMIC EARTH (4) - Continental Lithosphere Structure, Evolution and the Upper Mantle | RESOURCES (1) - Exploration Strategies and Technologies | DYNAMIC EARTH (6) - The Phanerozoic: Young rocks, old processes? | EARTH'S ENVIRONMENTS (4) - The Geology of Australia's Offshore areas | |
| 1105-1125 | An overview of four international geoscientific drilling projects, Pilbara/Crabba, Western Australia, 2003-2007 Dr. Arthur Hickman, Geological Survey of Western Australia | Quantitative assessment of undivided gold endowment in central Victoria - process and implications Vladimir Lisitsin, Geoscience Victoria | KEYNOTE Auscope: Australian Earth Science Research Information Infrastructure Dr. Robert Woodcock, CSIRO Exploration and Mining | Moving from 2D to 3D geological maps of New Zealand Dr. Mark Rattenbury, GNS Science | Vines 1 revisited: Neoproterozoic successions in Western Australia Roger Hooking, Geological Survey of Western Australia | KEYNOTE The Psychology of Decision-Making in Mineral Exploration - A Key to Improving Return on Investment in our Business Dr. Mike Etheridge, GEMOC Key Centre, Department of Earth and Planetary Sciences | KEYNOTE The Geological History of Climate Change Prof. Malcolm Walter, University of New South Wales | Isotopic evidence for continental growth during accretionary orogenesis in the Tasmanides, eastern Australia Dr. Tony Kemp, James Cook University | Sequence Stratigraphy and Seismic Facies of the Eucla Basin, Great Australian Bight, South Australia. Sian Smith, University of Sydney | |
| 1125-1145 | KEYNOTE Geoscience Australia, Offshore Energy Security Program: an update of planned marine surveys and initial results Dr. Peter Southgate, Geoscience Australia | Predictive Modeling of gold deposits; Wallalita - Woods Point region, Eastern Victoria Megan Hough, Monash University | KEYNOTE A three-dimensional Weights of Evidence Model for the Drummond basin in NE Queensland: quantitative assessment of controlling variables for epithermal Au Dr. Leonardo Feltri, James Cook University | New geophysical constraints on the extent of the Stawell and Bendigo zones in New South Wales Dr. Robert Musgrave, Geological Survey of NSW | Tectonic Controls on the Sequence Stratigraphic Architecture in a Non-marine RFB-basin Setting: An Example from the Tertiary Bohai Bay, East China Dr. Zhu Hongtao, China University of Geosciences CSIRO Petroleum Resources | Integrated isotope and trace element analyses of detrital minerals from the Frankland River (SW Australia) Dr. Bruno Dhuime, University of Bristol | Technology and Integration: Improving exploration success - the Australian Mineral Fields Philosophy Marcus Wilson, Australian Mineral Fields Ltd | Provenance of Ophiolite Sand: Comparison of Ancient and Modern Sand Melissa Murphy, Macquarie University | Tectonics and volcanism associated with the propagation of backarc spreading and associated rifting of an island arc: An example from the southeast margin of the North Fiji Basin Leonid V. Daryushevsky, CODES | |
| 1145-1205 | Evaluating the geology and petroleum prospectivity of frontier exploration areas within the offshore north Perth Basin Diane Jorgensen, Geoscience Australia | Geochronological evidence for the development of a fully oxygenated atmosphere-oceans and moderate-style ecosystems by ~3.5 Ga Prof. Hiroshi Ohmoto, The Pennsylvania State University | The Australian mineral occurrence data exchange model Adele Seymon, Geoscience Victoria | Central Victoria deep crustal reflection seismic survey 2006: Implications for mineralisation Clive Willman, Geoscience Victoria | Provenance of metasedimentary rocks from the Enfilia Dome, eastern Aunra Region, central Australia: a combined U/Pb SHRIMP, LA-ICP/MS 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 | Technology and Integration: Improving exploration success - the Australian Mineral Fields Philosophy Marcus Wilson, Australian Mineral Fields Ltd | Provenance of Ophiolite Sand: Comparison of Ancient and Modern Sand Melissa Murphy, Macquarie University | Tectonics and volcanism associated with the propagation of backarc spreading and associated rifting of an island arc: An example from the southeast margin of the North Fiji Basin Leonid V. Daryushevsky, CODES | |
| 1205-1225 | A Tectono-sedimentary Model for Intracratonic Basin Fill: Examples from the (Jurassic) Surat Basin, Australia and the Lower Permian Ordos Basin, China Dr. Keyu Liu, CSIRO Petroleum | Bio-activity in the 3.46 Ga ferrously Magnetite Bar Chert, Pilbara, Western Australia Dr. Munetomo Nedachi, Kagoshima University | From takeover to take off: Issues in managing data transfers and migration in the current frenetic M&A environment Elizabeth Annan & Sue Greenan, BHP Billiton Nickel West and Margaret Ellis, Geological Survey of Western Australia | 3D Modelling and the implications for Resource Assessment Dr. Margarette Scott, Geological Survey of Queensland | Basement faults control over salt-driven tectonics in Central Queensland Ranges, South Australia Dr. Guillaume Backe, CMUKU University of Adelaide | TerraneChon' approach to the crustal evolution studies and implications for continental growth Dr. Elena Blawiecka, Macquarie University | Integra Mining's Exploration Strategy and Discoveries - Does one size fit all? Chris Cairns, Integra Mining Ltd | In situ U/Pb, O, and Hf isotope measurements of 1 and 5-ppm granites from the Bendalite and Koolbavite Batholiths Dr. Ryan Ickert, Australian National University | | |
| 1225-1245 | Mapping mineral alteration associated with ongoing hydrocarbon seepage using ASTER and hyperspectral data Yulia Novikova, Curtin University of Technology | Possible generation of MIF-S during hydrothermal alteration of organic rich sediments Prof. Hiroshi Ohmoto, The Pennsylvania State University | KEYNOTE Quantitative resource assessment - A precursor to prospectivity analysis Don Singer, US Geological Survey | Get closer to the truth... with hyperspectral mineral maps from Queensland Mal Jones, Geological Survey of Queensland | Does the Capricorn Orogen control seismicity in the Carnarvon Basin? Dr. Myra Keep, University of Western Australia | Elastic thickness of pre-Cambrian cratons - a global study Dr. John Kirby, Curtin University of Technology | A Potential New MVT Province in Laos Ian Mulholland, Rox Resources Limited | The Sierras Pampeanas - Puna basin connection: Ophiolite crustal thinning and back-arc basin formation at the SW Gondwana margin Dr. Stefan Bütner, Rhodes University | | |
| 1245-1345 1345-1530 | | | | | | | | | | |
| Lunch & Poster Presentations | | | | | | | | | | |
| Concurrent Session 5 | | | | | | | | | | |
| E1 - Meeting Room 5 | E2 - Meeting Room 2 | E3 - Meeting Room 3 | E4 - Meeting Room 6 | E5 - Meeting Room 1 | E6 - Meeting Room 4 | E7 - Meeting Room 7 | E8 - Meeting Room 8 | E9 - Meeting Room 9 | E10 - Meeting Room 10 | |
| RESOURCES (3) - Energy Resources Petroleum, Coal & Geothermal Session (continued) | EVOLUTION OF LIFE & SOLAR SYSTEM (2) - The Pilbara Archean Drilling Project | RESOURCES (2) - Being Smarter with our Data Includes Prospectivity Analysis | GEOSCIENCE IN THE SERVICE OF SOCIETY (2) - Geoscience Information | RESOURCES (4) - Understanding Ore Systems | DYNAMIC EARTH (1) - Orogens and Basins Indicators of Continental Process | DYNAMIC EARTH (4) - Continental Lithosphere Structure, Evolution and the Upper Mantle | RESOURCES (1) - Exploration Strategies and Technologies | DYNAMIC EARTH (6) - The Phanerozoic: Young rocks, old processes? | EARTH'S ENVIRONMENTS (2) - Palaeoclimate Research | |
| 1350-1410 | Geochronological evidence for oxygenated oceans 3.46 Ga ago: REE geochemistry of the Magnetite Bar Chert recycled by the Archean Biosphere Drilling Project (ABDP) Dr. Kohei Yamaguchi, Precambrian Ecosystem Lab., XBR, JAMSTEC | Metallogenic Environments of Gabors, Dabas and Dicsókút: Do Bull Elephants roam in Here? Dr. Subhash Jalath, Geoscience Australia | Joining forces for geoscience) knowledge groundwater and mineral exploration, same approach, different targets Dr. Jan Fawcett, Department of Primary Industries, Victoria | Subsurface alteration associated with actively forming seafloor massive sulfide mineralisation in the Brothers Caldera, Kermadec Arc, New Zealand Dr. Christopher Yeats, CSIRO Exploration and Mining | A record of late Paleoproterozoic 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 Kennel, Research School of Earth Sciences | KEYNOTE Exploration Science Dr. Andy Barnicoat, Pmd/CRC | KEYNOTE The Phanerozoic: Reconciling modern plate tectonics with ancient orogenic systems and crustal growth Prof. William Collins, James Cook University | KEYNOTE Martin Williams, University of Adelaide | |
| 1410-1430 | Low-enthalpy geothermal systems driven by convection in fault zones Dr. Klaus Gessner, The University of Western Australia | Shallow Submarine Ecosystems at 2.7-2.8 Ga, Pilbara, Western Australia Dr. Munetomo Nedachi, Kagoshima University | Application of mineral exploration mapping tools and concepts to groundwater resource evaluation Mr. Bruce Gill, Department of Primary Industries, Victoria | 3D time series mapping of hydrothermal plume behaviour associated with seafloor massive sulphides in the Eastern Manus back-arc basin, Papua New Guinea Shannon Johns, CODES | Proterozoic crustal architecture and evolution in the Mount Isa region: new insights from seismic reflection profiling Dr. George Gibson, Geoscience Australia | 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 | High-Mg monzonitoid-tonalite ± syenite intrusions, alkalis, and gold deposits in the Eastern Goldfields Province, Yilgarn craton, Western Australia Andreas Mueller, Consultant | Accretion of a Late Ordovician island arc transect across the Thomson - New England Orogen boundary: implications of the role of crustal composition for granite formation Emma Mathews, Geoscience Australia | Cenozoic biogeographic evidence for West Pacific Warm Pool formation and the initiation of the Kurushio and Leuwin Current A/Prof. Stephen Gallagher, The University of Melbourne | |
| 1430-1450 | Challenges in Fault Development of Coal Seams Mark Biggs, Anglo Coal (Dawson Management) Pty Limited | 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 | Application of geomodeller in the Drummond Basin, Queensland Melanie Filzler, Geological Survey of Queensland | The Neves Corvo (Portugal) massive sulphide deposit: depositional instability in the Lombard lens, and the origin of the sulphur Dr. Mike Solomon, CODES | 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 | High-Mg monzonitoid-tonalite ± syenite intrusions, alkalis, and gold deposits in the Eastern Goldfields Province, Yilgarn craton, Western Australia Andreas Mueller, Consultant | Accretion of a Late Ordovician island arc transect across the Thomson - New England Orogen boundary: implications of the role of crustal composition for granite formation Emma Mathews, Geoscience Australia | Cenozoic biogeographic evidence for West Pacific Warm Pool formation and the initiation of the Kurushio and Leuwin Current A/Prof. Stephen Gallagher, The University of Melbourne | | |
| 1450-1510 | Geoscience Australia's Onshore Energy Security Program - the Geothermal Energy Project Dr. Ian Lambert, Geoscience Australia | 3.2 Ga island arc oceanic sedimentary sequence: Preliminary results of the Dixon Island/Cleaveland drilling (DXCL-dt) Project Dr. Shoichi Kiyokawa, Kyushu University | Geochemical Survey in the Highlands of Papua New Guinea Benny Poku, MSPP-Geomap | Geosyntax: a new computing language for geological concepts Dr. June Hill, CSIRO Petroleum | A Perfect Sulphide Storm at Mt Isa Dr. Geoff Derrick, G M Derrick Geology Australia | 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 | Cenozoic biogeographic evidence for West Pacific Warm Pool formation and the initiation of the Kurushio and Leuwin Current A/Prof. Stephen Gallagher, The University of Melbourne | |
| 1510-1530 | Geothermal Systems Analysis-A risk based approach to exploring for geothermal resources Graham Beardmore, Hot Dry Rocks Pty Ltd | Photosynthesis in a 3.5 Ga old shallow marine depositional environment: clues from carbon and iron isotope systematics Mark van Zulen, Laboratoire Geosphere Actuelle et Primitive Institute | Spatial Mathematical Models for Mineral Prospectivity Mapping Dr. Alok Porwal, University of Western Australia | The GeoS3M, logical data model of geological concepts Bruce Simons, Geoscience Victoria | An integrated sedimentological, geochemical and geochronological analysis of Georgetown: Constraints on basin development and palaeo reconstructions Alexis Lambcock, Geoscience Australia | WOMBAT: An evolving seismic array experiment at Australia Dr. Nicholas Rawlinson, Australian National University | Increasing the scope of mineral prospectivity in the Cobarr-Seiburg region, New South Wales Steven Trigg, NSW Department of Primary Industries | Age and provenance of the Owen Stanley Metamorphic Complex (East Papuan Composite Terrane) in Montagu Province, Papua New Guinea Dr. Robert Findlay, Montagu Minerals Mapping Pty Ltd | Distribution and ecology of benthic foraminifera in the Coorong Lagoon and adjacent waters, South Australia: to aid palaeo-reconstructions Prof. John Cain, The University of Adelaide | |
| 1530-1600 1600-1745 | | | | | | | | | | |
| Afternoon Tea & Poster Presentations | | | | | | | | | | |
| Concurrent Session 6 | | | | | | | | | | |
| F1 - Meeting Room 5 | F2 - Meeting Room 2 | F3 - Meeting Room 3 | F4 - Meeting Room 6 | F5 - Meeting Room 1 | F6 - Meeting Room 4 | F7 - Meeting Room 7 | F8 - Meeting Room 8 | F9 - Meeting Room 9 | F10 - Meeting Room 10 | |
| RESOURCES (3) - Energy Resources Petroleum, Coal & Geothermal Session (continued) | EVOLUTION OF LIFE & SOLAR SYSTEM (2) - The Pilbara Archean Drilling Project | RESOURCES (2) - Being Smarter with our Data Includes Prospectivity Analysis (continued) | GEOSCIENCE IN THE SERVICE OF SOCIETY (2) - Geoscience Information | RESOURCES (4) - Understanding Ore Systems | DYNAMIC EARTH (1) - Orogens and Basins Indicators of Continental Process | DYNAMIC EARTH (4) - Continental Lithosphere Structure, Evolution and the Upper Mantle | RESOURCES (1) - Resources | DYNAMIC EARTH (6) - The Phanerozoic: Young rocks, old processes? | EARTH'S ENVIRONMENTS (2) - Palaeoclimate Research | |
| 1605-1625 | Fracture network evaluation of Samana Anticline: Implication for assessing secondary fracture porosity of the proven reservoirs in the adjacent foreland basin, NW Pakistan Iran Khan, MOOL, Oil&Gas Co.V.B | KEYNOTE The Pilbara Drilling Project: Results and Perspectives Pascal Philippot, Institut De Physique Du Globe De Paris | Preliminary Results of a Self Organizing Map Approach to the Integrated Analysis of Petrophysical Property Data from the Ultramafic-Hotest Seagull PGE-Au-Cu Prospect, Lake Nipigon, Ontario, Canada Stephen Fraser, CSIRO Exploration & Mining | The role of land use geoscience in urban planning and development in the Goldfields of Western Australia Chris Kojan, Geological Survey of Western Australia | The geodynamic setting and magmatic controls on genesis of world class IOCG ore deposits Dr. Nicholas Hayward, BHP Billiton | Strength of high-geotherm lithosphere: Weak, strong or failing? Shane Richardson, The University of Western Australia | Exploring for Porphry Cu-Au-Mo in the Gilmore Fault Zone at Temora, NSW Marlin Scott, Goldminco | Potential field models of the Bancarnia Trough - Koonberry Belt system, NSW: tectonics of a tilted arc Dr. Robert Musgrave, Geological Survey of NSW | Cenozoic carbonate response to climatic change due to a tectonically induced latitudinal shift Dr. Moyna Wilson, Curtin University | |
| 1625-1645 | Early to Middle Triassic stratigraphy of the offshore eastern Bonaparte Basin and Londonderry High, northern Australia John D. Gorter, Eni Australia Limited | Prospectivity Analysis in Action: The Auzux Resources Ltd (AZX) Story as Applied to Granite Related Mineral Systems in Eastern Australia and New Zealand Greg Partington, Aus Resources Limited | The role of land use geoscience in urban planning and development in the Goldfields of Western Australia Chris Kojan, Geological Survey of Western Australia | Resource Mapping: A key ingredient for the mineral resources and development in geoscience Stuart Robertson, Geological Survey Branch, PIRSA Minerals and Energy Resources | Investigations of the Cullinan Subsuite: An outcropping felsic intrusive - hosted Olympic Dam - style alteration system Stacey McVannay, PIRSA | Anisotropy of Lithosphere Strength Dr. David Healy, Curtin University of Technology | Attenuation of high-strain zones in the Wyangarra Granite, Eastern Lachlan Fold Belt, NSW Lloyd White, Geoscience Australia | Benthic Foraminifera assemblages in the northern Spencer Gulf, South Australia - further evidence for Holocene sea-level changes Mary-Anne Binney, University of South Australia | | |
| 1645-1705 | Hydrocarbon prospects of Karak Swatuk Anticline, NW Pakistan: myths and facts Dr. Sajjad Ahmad, University of Peshawar, N.W.F.P. | Nano-aragonite associated with organic globules supports a biogenic origin of 2.7 Gy old stromatolites Dr. Kevin Lepot, Institut De Physique Du Globe De Paris | Bayesian Network Classifiers for GIS-based Mineral Prospectivity Mapping Dr. Alok Porwal, University of Western Australia | Investigations of the Cullinan Subsuite: An outcropping felsic intrusive - hosted Olympic Dam - style alteration system Stacey McVannay, PIRSA | Anisotropy of Lithosphere Strength Dr. David Healy, Curtin University of Technology | Attenuation of high-strain zones in the Wyangarra Granite, Eastern Lachlan Fold Belt, NSW Lloyd White, Geoscience Australia | Benthic Foraminifera assemblages in the northern Spencer Gulf, South Australia - further evidence for Holocene sea-level changes Mary-Anne Binney, University of South Australia | | | |
| 1705-1725 | Multiple Sulfur and Carbon isotopic geochemistry of the 2.7 Ga carbonated Tumbiana Formation, new insights for the Fortescue excursion Pascal Philippot, Institut De Physique Du Globe De Paris | Using novel prospectivity mapping tools, Self Organizing Maps (SOMs), Fuzzy Neural Networks (FNNs), and Radial Basis Functional Link Nets (RFLNets), to evaluate the organic gold and IOCG potential of Finland Prof. David Groves, University of Western Australia | Mineral potential mapping - geoscientific advice for public policy: an example from the Fortescue excursion Dr. Lee Hassan, Geological Survey of Western Australia | Structure and hydrothermal alteration associated with the Dahongshan iron oxide-copper (gold) deposit, SW China Dr. Matthew Greenes, SIRK Consulting | Coastal architecture of Central Victoria: results from the 2006 deep crustal reflection seismic survey Dr. Russell Korsch, Pmd/CRC | The southwestern Laurentian lithosphere in the northern Rockies, USA: crustal provinces, plutonic magmatism, and seismic structure Prof. David Foster, University of Florida | MWP-1A and its implication for the moisture regime change over Borneo - evidence from peat archives Dr. Raphael Wast, James Cook University | | | |
| 1725-1745 | A Benchmark for Best Practice in Assessing Australia's Mineral Endowment Antony Mammou, University of Western Australia & Curtin University of Technology | Titanium-zinc minerals - using geoscience in Western Australia to ensure future resource extraction Warren Ormsby, Geological Survey WA, Department of Industry & Resources | Geological setting, mineralisation and geochemistry of Chatterie epithermal gold-silver deposit, Pheasanton Province, central Thailand Abhisat Salan, CODES, University of Tasmania | | | | | | | |
| 1745-1845 1830-2030 1900-2200 | | | | | | | | | | |
| Happy Hour (Ego Area) Student Careers Night (Ego Area) Geo Trivia Night (Meeting Room 5) | | | | | | | | | | |

| Wednesday 23 July 2008 | | | | | | | | | | | |
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| 0800-1700 | | | | | | | | | | | |
| 0900-1030 | | | | | | | | | | | |
| Registration | | | | | | | | | | | |
| Primary Session 3 - International Year of Planet Earth | | | | | | | | | | | |
| The Yarragadee Aquifer (IYPE Theme: Groundwater: towards sustainable use) | | | | | | | | | | | |
| Mr. Phillip Commander, Department of Water (WA) | | | | | | | | | | | |
| 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 | | | | | | | | | | | |
| Mixed Awards (35 mins) | | | | | | | | | | | |
| 1105-1130 | | | | | | | | | | | |
| 1130-1135 | | | | | | | | | | | |
| Morning Tea | | | | | | | | | | | |
| Concurrent Session 7 | | | | | | | | | | | |
| G1 - Meeting Room 3 | G2 - Meeting Room 2 | G3 - Meeting Room 3 | G4 - Meeting Room 6 | G5 - Meeting Room 3 | G6 - Meeting Room 4 | G7 - Meeting Room 7 | G8 - Meeting Room 9 | G9 - Meeting Room 9 | G10 - Meeting Room 10 | G11 - Meeting Room 10 | G12 - Meeting Room 10 |
| RESOURCES (5) - Energy Resources Uranium Session | EVOLUTION OF LIFE & SOLAR SYSTEM (3) - Evolution of Life in the Proterozoic and Phanerozoic | CANNING BASIN SYMPOSIUM (2) - Geochronological Basin dynamics and resource implications | GEOSCIENCE IN THE SERVICE OF SOCIETY (4) - Geohazards | RESOURCES (6) - Understanding Ore Systems | DYNAMIC EARTH (7) - Plate Tectonic Processes & the Dynamic Mantle | DYNAMIC EARTH (8) - The Proterozoic: Intercontinental vs Accretionary process | EVOLUTION OF LIFE & SOLAR SYSTEM (4) - Formation of the Solar System | DYNAMIC EARTH (5) - Mantle Melts: A Spectrum of Process | EARTH'S ENVIRONMENTS (2) - Paleoclimate Research | | |
| 1135-1155 | Palaeoproterozoic hydrothermal systems associated with uranium and gold deposits Dr. Adriana Dutkiewicz, The University of Sydney | Devonian reef complexes of the Canning Basin 50 years of research Dr. Phillip Playford, Geological Survey of Western Australia | Keynote Characteristics of Recent Tsunamigenic Earthquakes in Australasia. Estimated from Seismic and Sea Level Data Dr. Phil Cummins, Geoscience Australia | A new view of hypogene and supergene gold. Clues for ore paragenesis and exploration Dr. Robert Hugh, CSIRO Exploration and Mining | KEYNOTE: What drives major epithermal reorganisations of the plate tectonic system? Dr. Dietmar Müller, The University of Sydney | KEYNOTE: Proterozoic accretionary processes of Australia and comparison with Laurentia. Dr. Peter Betts, Monash University | KEYNOTE: The formation and early evolution of the solar system Dr. Raquel Salmeron, MI Stroma Observatory | KEYNOTE: Mantle melting Dr. Nick Arndt, Université De Grenoble | | | |
| 1155-1215 | Trace element geochemistry of Neoproterozoic stromatolites: a tool for interpreting accretionary processes Dr. Gregory E. Webb, Queensland University of Technology | The significance and origin of the biomarker coccoliths in Devonian source rocks and crude oils (Western Canada Sedimentary Basin and Canning Basin, WA) Erin Maslen, Curtin University of Technology | Do strain rates in deep ductile shear zones reflect seismogenicity at surficial levels of the same movement zone? Dr. Marrie Forster, The Australian National University | The composition and crystallography of gold: implications for ore genesis Dr. Charles Ball, CSIRO Exploration & Mining (CRC LEME) | 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 | Formation of the Inner Solar System: new insights revealed by spacecraft data Andrew Prentice, Monash University | 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 | | | |
| 1215-1235 | Emergence and evolution of metazoans and the relation to algal and fungal co-evolutionary events Christian Hallmann, Curtin University | Cyclidly in Late Devonian conglomerates, Lennard Shelf, Canning Basin, W.A. Roger Hooking, Geological Survey of Western Australia | Earthquake magnitude in different tectonic environments Prof. Gordon Lister, Australian National University | Transport and deposition of colloidal gold in palaeoproterozoic orogenic belts Dr. Ryan Noble, CSIRO | 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 | Dust to Planets - what have we learned from Genesis and Stardust Samples? Dr. Judith Allton, NASA Johnson Space Center | Experimental constraints on the slab component of arc magmas Dr. Jörg Hermann, Research School of Earth Sciences, The Australian National University | | | | |
| 1235-1255 | Exploration for Sandstone-Type Uranium Deposits in Tertiary Palaeochannels in the South of Western Australia Prof. Mike Dentith, University of Western Australia | KEYNOTE: A molecular marker for lignin degradation and a signal for the rise of vascular plants Prof. Kishor Grace, Curtin University of Technology | Evidence for competing movement patterns influencing the evolution of the Sagging-Suvarov wrench fault system Abhijit Deonath, The Australian National University | Architecture of Achean greenstones at St Ives: a vertical Achean belt Dr. Richard Squire, Monash University | 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 | Dating Fractionation of Refractory and Volatile Elements in the Protoplanetary Disk Dr. Yuri Amelin, The Australian National University | Early History of Planet Earth from Combined 142-143Nd and 176Hf Isotopic Signatures Dr. Vickie Bennett, Australian National University | | | |
| 1315-1415 | | | | | | | | | | | |
| 1415-1600 | | | | | | | | | | | |
| Lunch & Poster Presentations | | | | | | | | | | | |
| Concurrent Session 8 | | | | | | | | | | | |
| H1 - Meeting Room 3 | H2 - Meeting Room 2 | H3 - Meeting Room 3 | H4 - Meeting Room 6 | H5 - Meeting Room 3 | H6 - Meeting Room 4 | H7 - Meeting Room 7 | H8 - Meeting Room 9 | H9 - Meeting Room 9 | H10 - Meeting Room 10 | H11 - Meeting Room 10 | H12 - Meeting Room 10 |
| RESOURCES (7) - Mineral Resources Iron Ore | EVOLUTION OF LIFE & SOLAR SYSTEM (3) - Evolution of Life in the Proterozoic and Phanerozoic | CANNING BASIN SYMPOSIUM (2) - Geochronological Basin dynamics and resource implications | GEOSCIENCE IN THE SERVICE OF SOCIETY (4) - Geohazards | RESOURCES (6) IAGOD - Mineral Resources of Western Pacific session | DYNAMIC EARTH (7) - Plate Tectonic Processes & the Dynamic Mantle | DYNAMIC EARTH (8) - The Proterozoic: Intercontinental vs Accretionary process | EVOLUTION OF LIFE & SOLAR SYSTEM (4) - Early Planetary Differentiation | DYNAMIC EARTH (5) - Mantle Melts: A Spectrum of Process | EARTH'S ENVIRONMENTS (3) - Environmental Hazards | | |
| 1420-1440 | Discovery of Palaeoecology in brackish water environments from the Permian of the Carnarvon Basin, Western Australia Zhouyuan Liu, University of Western Australia | Canning Basin oil and gas potential Neil Thompson, ARC Energy Limited | Volcano and Earthquake Risk in the Asia-Pacific Region Mr. Jonathan Griffin, Geoscience Australia | KEYNOTE: The Yanshanian tectono-thermal event in China and associated mineral systems Dr. Franco Pirajit, Geological Survey of Western Australia | Subduction zone dynamics on Earth: insight from geodynamic models, kinematic calculations and observations Dr. Wouter Schellart, Monash University | KEYNOTE: The Proterozoic: Hiding Achean in the basement Prof. William Griffin, Macquarie University | Chronology of the Early Solar System through Short-lived and Long-lived Chronometers Dr. Trevor Ireland, Australian National University | KEYNOTE: Large igneous Provinces, Mantle Plumes and Crust Generation Prof. Chris Hawkesworth, University of Bristol | Recent advances in the application of hydrogeophysics and geophysics for groundwater and salinity mapping and management Dr. Ken Lawrie, Geoscience Australia | | |
| 1440-1500 | Restoration of marine ecosystems following the Permian-Triassic mass extinction in Gondwanan interior seas Dr. Zhong Qiang Chen, University of Western Australia | The Cambro-Ordovician, the Centralian Superbasin (Part 2) and trans-Gondwanan Seaways Robert S. Nicol, Australian National University | The role of geoscience in developing the Indian Ocean Tsunami Warning System Dr. Jane Curmeen, Inter-governmental Oceanographic Commission of UNESCO | Geomorphology, coccoliths and mineralisation in Morobe Province, PNG Dr. Robert Findlay, Montagu Minerals Mapping Pty Ltd | Multi-scale Earth System Dynamics Coupling: Mechanics with Chemistry Prof. Klaus Regenauer-Lieb, UWA and CSIRO ERM | Formation of the eclogite hosting 2.0 Ga Uhegagan Orogenic belt, Tanzania Rachael Brick, University of Adelaide | Early evolution of Earth and Moon Dr. Alexander Nemchin, Curtin University of Technology | The extent and distribution of the Kalkinai Large Igneous Province Dr. Lana Z. Evins, School of Earth and Geographical Sciences, The University of Western Australia | Architecture of an Entrenched Valley Fill, Murray River Dr. Jonathan Clarke, CRC LEME Geoscience Australia | | |
| 1500-1520 | Molecular and isotopic evidence for a microbial response to the Triassic-Jurassic mass extinction Dr. Kenneth Willford, Curtin University of Technology | Provenance of Palaeozoic sandstone in the Canning Basin using SHRIMP U-Pb dating of detrital zircons Dr. Peter Haines, Geological Survey of Western Australia | Toward an understanding of tsunami risk in Tasmania Colin Mazengarb, Mineral Resources Tasmania | The emergence of steady-state plate tectonics in dynamic mantle models Dr. Craig O'Neill, Macquarie University | Mineralogy of Mesoproterozoic high heat producing granites and mafic dyke from Mount Painter Province Kamronporn Kromkhun, The University of Adelaide | A New Type of Basaltic Eucrite: Clues to Early Differentiation of Igneous Asteroids Katherine Birmingham, Australian National University | Systematic PGE depletion in early- to mid-Achean komatiites from the Pilbara and Koola basins Dr. Wolfgang Mader, University of Western Australia | Using AEM imagery to map palaeo strand lines in the Loxton Panilla Sands, Murray River corridor, Victoria David Gibson, Geoscience Australia | | | |
| 1520-1540 | Position of the end-Permian mass extinction event and Permian-Triassic boundary in Australia Prof. Ian Metcalfe, University of New England | The Permian Corundum biotitography of Western Australia - an update Robert S. Nicol, Australian National University | Tsunami hazard in south-eastern Australia: preliminary findings from palaeoseismic investigations on the NSW coast Amy Prendergast, Geoscience Australia | How to recognise flat-slab subduction and its tectonic in dynamic mantle models Dr. Lin Sulthan, Department of Western Sydney | A spectrum of Hadean geodynamics from diamond stability constraints Dr. Lin Sulthan, Department of Western Sydney | Evidence for a Mesoproterozoic hotspot track in eastern and central Australia Dr. Peter Betts, Monash University | Customised products derived using airborne EM and hydrogeological data to assist in land use management along the Murray River in New South Wales and Victoria, Australia Dr. Kok Ping Tan, Geoscience Australia | | | | |
| 1540-1600 | Global significance of stable carbon, sulfur and hydrogen isotope signals together with higher plant derived components of sedimentary organic material from the Permian-Triassic boundary Bright Nabeedfeld, Curtin University of Technology | Three-dimensional magnetotelluric imaging of the Central-Western Gawler Craton Stephan Thiel, Adelaide University | Three-Dimensional Modelling of Natural Hazards Using Geographic Information Systems Dr. D. John Baharhan, Department for Planning and Infrastructure | Gem corundum sources, West Pacific margins, links to former spreading rifts Dr. Lin Sulthan, Department of Western Sydney | | | | | | | |
| 1600-1630 | | | | | | | | | | | |
| 1630-1815 | | | | | | | | | | | |
| Afternoon Tea & Poster Presentations | | | | | | | | | | | |
| Concurrent Session 9 | | | | | | | | | | | |
| I1 - Meeting Room 3 | I2 - Meeting Room 2 | I3 - Meeting Room 3 | I4 - Meeting Room 6 | I5 - Meeting Room 3 | I6 - Meeting Room 4 | I7 - Meeting Room 7 | I8 - Meeting Room 9 | I9 - Meeting Room 9 | I10 - Meeting Room 10 | I11 - Meeting Room 10 | I12 - Meeting Room 10 |
| RESOURCES (1) - Mineral Resources (Fluid Mixing and Gold Session) | RESOURCES (5) - Energy Resources Petroleum, Coal & Geothermal Session | RESOURCES (2) - Exploration Strategies and Technologies & Being Smarter with our Data | GEOSCIENCE IN THE SERVICE OF SOCIETY (4) - Geohazards | RESOURCES (6) IAGOD - Mineral Resources of Western Pacific Session | DYNAMIC EARTH (7) - Plate Tectonic Processes & the Dynamic Mantle | DYNAMIC EARTH (8) - The Proterozoic: Intercontinental vs Accretionary process | EVOLUTION OF LIFE & SOLAR SYSTEM (6) - Mars - Water and Rocks | DYNAMIC EARTH (5) - Mantle Melts: A Spectrum of Process | EARTH'S ENVIRONMENTS (3) - Environmental Hazards | | |
| 1635-1655 | Key Geochemical Parameters of the Repolith Kenneth McQueen, CRC LEME | Understanding natural hazards using field geology and geochronology Dr. Mark Gaudry, The University of Melbourne | The Tokuma mine, PNG, the structural anatomy of a classic intra-volcanic epithermal gold system Dr. Robert Findlay, Montagu Minerals Mapping Pty Ltd | Early Achean tectonics and the start of modern subduction Dr. Martin Van Kranendonk, Geological Survey of Western Australia | Assembling the western North Australian Craton: Linking the King Leopold, Halls Creek, Granites-Tanami and Anzita orogens Dr. Ian Tyler, Geological Survey of Western Australia | Mineral Precipitation in Porous Media: Laboratory Diffusion Experiments as Analogues for Concrete Formation in Utah and on Mars Laura Barge, University of Southern California | Geochronological and Nd isotopic signatures of mafic dykes in the western Musgrave Complex Dr. Heather Howard, Geological Survey of Western Australia | Integrating remote-sensing with airborne electromagnetic for vegetation and crop health along the River Murray Corridor Dr. Vanessa Wong, Geoscience Australia | | | |
| 1655-1715 | An Integrated Approach to Geological Screening for Sequestration Potential - Examples from the Darling and Sydney Basins, New South Wales Jane Blewett, FROG Tech Pty Ltd | Sediment quality as a factor of the distribution of damage at Bam-ran earth quake Khalil Rezaei, LMA University Germany | Trace elements in sphalerite: concentration levels and mode of incorporation Nigel Cook, Natural History Museum | Thermochemical controls on the subduction of oceanic plateaus Wendy Mason, Monash University | Extension in lower crustal granulite facies mafic intrusions of the Birniep Complex (Albany Frasee Orogen), Bremer Bay, Western Australia Miriam Borgeau-Melnik, Department of Geological Sciences | Layered units at the Marlan dichotomy and their geological significance Dr. Graziella Caporali, Sydney University of Technology | Compiling isotopic and trace element geochemistry of the St Peter Suite with later gabbroic intrusions Neil Chalmers, PRSA | Predicting hydrological threshold events in response to climate Dr. Christoph Hinz, University of Western Australia | | | |
| 1715-1735 | The Paddy's Flat Gold District (Murchison, W.A.): insight into tectonically and structurally controlled gold mineralisation Dr. David Wright, University of Leicester | Reconciling neotectonic and seismic recurrence rates in SW Australia Dr. Mark Leonard, Geoscience Australia | Provenance of gold in Mesozoic mesothermal mineral deposits in New Zealand Dr. Christopher Adams, GNS Science | 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, Bithur, Agra | A kinematic, metamorphic and geochronological framework for intracratonic rifting in the western Musgrave Block, central Australia: evidence for lower crustal extension? Tom Raimondo, University of Adelaide | Higher Order Neighbour Statistics of Martian North Polar Crescentine Dune Fields Andrew Wheeler, University of South Australia | The Usala Magmatic Centre: preservation of plutonic and volcanic rocks representing an upper crustal section of some 8 km Richard Flood, Macquarie University | A hydrogeological-landscape framework providing new insights into salinity processes and management approaches John Willford, Geoscience Australia | | | |
| 1735-1755 | Carbon Dioxide Storage Sites: from sequestration Tess Dance, CO2CRC CSIRO Petroleum | | | | | | | | | | |
| 1755-1815 | | | | | | | | | | | |
| 1930-2300 | | | | | | | | | | | |
| Dinner (Bellevue Room) | | | | | | | | | | | |

| Thursday 24 July 2008 | | | | | | | | | | |
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| 0830-1700 | | | | | | | | | | |
| 0900-1030 | | | | | | | | | | |
| Registration | | | | | | | | | | |
| Plenary Session 4 - International Year of Planet Earth | | | | | | | | | | |
| Historical Geodynamics: From Crust to Core Mantle Boundary (TPE Theme: Deep Earth - from crust to core) | | | | | | | | | | |
| Prof. Michael Gurnis, California Institute of Technology, USA | | | | | | | | | | |
| New Views of the Chemistry and Geology of the Crust of Mars | | | | | | | | | | |
| Dr. Jeffrey Taylor, Hawaii Institute of Geophysics and Planetary Science, USA | | | | | | | | | | |
| AIG / GSA Awards (30 mins) | | | | | | | | | | |
| 1030-1100 | | | | | | | | | | |
| 1100-1130 | | | | | | | | | | |
| 1130-1315 | | | | | | | | | | |
| Morning Tea | | | | | | | | | | |
| Concurrent Session 10 | | | | | | | | | | |
| J1 - Meeting Room 5 | J2 - Meeting Room 2 | J3 - Meeting Room 3 | J4 - Meeting Room 6 | J5 - Meeting Room 1 | J6 - Meeting Room 4 | J7 - Meeting Room 7 | J8 - Meeting Room 8 | J9 - Meeting Room 9 | J10 - Meeting Room 10 | |
| RESOURCES (1) - Mineral Resources (Fluid Mixing and Gold Session) | EARTH'S ENVIRONMENTS (3) - Environmental Hazards | GEOSCIENCE IN THE SERVICE OF SOCIETY (6) - Geotourism | GEOSCIENCE IN THE SERVICE OF SOCIETY (6) - Geohazards | RESOURCES (6) - Mineral Resources (Nickel Session) | DYNAMIC EARTH (10) - Breakthroughs from the Laboratory | DYNAMIC EARTH (8) - The Proterozoic: Intercontinental vs Accretionary process | EVOLUTION OF LIFE & SOLAR SYSTEM (7): The Impact of Impacts | DYNAMIC EARTH (11) - Riding the Supercontinent Cycle | GEOSCIENCE IN THE SERVICE OF SOCIETY (5) - Geoscience Education | |
| 1135-1155 An alternative model for the genesis of gold-arsenic deposits hosted in black shale and turbidite successions Ross Large, CODES | Acidic groundwater in the South west of Western Australia: its distribution and causes Adam Lilliac, Department of Agriculture and Food Western Australia | KEYNOTE Taking Geology to the Public: Geotourism and Geoparks Prof. Ross Dowling, Edith Cowan University School of Marketing | A regional landslide susceptibility programme in Tasmania Colin Mazengarb, Mineral Resources Tasmania | KEYNOTE Advances in magmatic Ni-Cu-PGE exploration geoscience: identifying digma and developing new ideas for an evolving search space Dr. Steve Berrard, University of Western Australia | 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 Alir, Damaganin, and South Maradi regions of Niger, West Africa Mr. Jurriaan Feijth, Fugro Airborne Surveys | KEYNOTE The impact of impacts: impact as a geological process and significance in economic geology Dr. Peter Haines, Geological Survey of Western Australia | KEYNOTE Formation of a Supercontinent: Framework of the Super-Ressource: The East African Orogen and the Amalgamation of Arabia Dr. Alan Collins, University of Adelaide | KEYNOTE Fighting the slight: earth science on the march in Western Australia Dr. James Ross, Earth Science Western Australia | |
| 1155-1215 Structural controls on mineralisation at the Wyoming Gold Deposits, NSW: inferences from deformation - fluid flow numerical models Dr. Peter Schaub, CSIRO Exploration and Mining | Assessment of geochemical risks of saline acidic ground-waters in the WA wheatbelt Dr. Brad Degens, Department of Water | | The 'Lusi' Mud Eruption, Sidoarjo, East Java - A Unique Geological Disaster Dr. Mark Tingay, University of Adelaide | What does the regional setting of the Vostok's Bay nickel deposit tell us about where to find similar deposits? Prof. John Myers, Curtin University of Technology | The Effects of Crystal-Plastic Deformation on the U, Th, Pb, REE and Tl Geochemistry of Zircon Dr. Nick Timms, Curtin University of Technology | A Gawler Orogen? Yalbarinda-Oolabinnia Shear Zone connections John Stewart, Monash University | The geophysical signatures of Australia's meteorite impact structures Dr. Phil Hawke, University of Western Australia | 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 | Tertiary Geoscience Education in Australia: What future? Dr. Trevor Powell, Australian Geoscience Council | |
| 1215-1235 Multiple gold events at Laverton, Eastern Goldfields Superterrane, W.A. Dr. John Miller, Centre for Exploration Targeting, University of Western Australia | Lake Muir-Uncup Natural Diversity Recovery Catchment - groundwater chlorides/bromides ratios Margaret Smith, Curtin University of Technology | Discovery trails to early Earth - a traveller's guide to the east Pibara Dr. Martin Van Kramendonk, Geological Survey of Western Australia | Rapid uplift and fluvial impact from the Finisterre and Sarawagel Mountains, PNG Dr. Robert Findlay, Montage Minerals Mapping Pty Ltd | The Merensky Reef of the Bushveld Complex (South Africa): a X-ray computed tomography, microstructural, geochemical and mineralogical study Dr. Belinda Godel, Centre for Exploration Targeting, University of Western Australia | In situ measurement of subhar 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 | A newly discovered meteorite impact crater, Cupatina's Range, Western Australia Dr. Arthur Hickman, Geological Survey of Western Australia | The evolution 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 | Tertiary Geoscience Education in Australia: What future? Dr. Trevor Powell, Australian Geoscience Council | |
| 1235-1255 The gold mineral system: do we know what we don't know? Prof. Campbell McCuaig, Centre for Exploration Targeting, University of Western Australia | Treatment of saline acid drainage in the Western Australian wheatbelt: field evaluations Dr. Brad Degens, Department of Water | Rock Tourism and the Black-footed Rock Wallaby Alan Briggs, The National Trust of Australia (WA) | Volume change behaviour of unsaturated compacted clay under plane strain condition Miftahul Fauziah, Curtin University of Technology | The Merensky Reef of the Bushveld Complex (South Africa): a X-ray computed tomography, microstructural, geochemical and mineralogical study Dr. Belinda Godel, Centre for Exploration Targeting, University of Western Australia | Dynamic permeability in fine-grained ultramylonites - implications for fluid flow in mid-crustal shear zones Dr. Florian Fuesels, SEGS - UWA | Granulites in the Northern Gawler Craton: the high temperature record of Mesoproterozoic crustal thickening Kathryn Cuts, University of Adelaide | Sedimentary and Petrologic Evidence of a Toookoonooka Impact Event Ejecta Layer, Australia Katherine Miller, University of Adelaide | Were there two or three Proterozoic supercontinents? Quantitative tests of craton connections in Geon 24 Dr. Aleksey Smirnov, Michigan Technological University | Gauging reasons for enrolment in an entry level university geology course: Results of student surveys from 2002-2007 Dr. Karen Barovich, University of Adelaide | |
| 1255-1315 Tectonic/tectonic control on salinisation of the Bel Bet Creek, central Victoria Dr. John Webb, LaTrobe University | | The geotourism potential investigation of Kashmir township (Northeast of Iran) Morteza Taherpour Khali Abad, Islamic Azad University | E.F. Pigot S.J.: The priest who knew about Earthquakes Dr. David Brangan, University of Sydney | The Kabanga nickel deposit, western Tanzania Dr. Wolfgang Maier, University of Western Australia | | | | | Geological Society of America's Public Policy Programs Dr. John Hess, Geological Society of America | |
| 1315-1415 | | | | | | | | | | |
| 1415-1600 | | | | | | | | | | |
| Lunch & Poster Presentations | | | | | | | | | | |
| Concurrent Session 11 | | | | | | | | | | |
| K1 - Meeting Room 5 | K2 - Meeting Room 2 | K3 - Meeting Room 3 | K4 - Meeting Room 6 | K5 - Meeting Room 1 | K6 - Meeting Room 4 | K7 - Meeting Room 7 | K8 - Meeting Room 8 | K9 - Meeting Room 9 | K10 - Meeting Room 10 | |
| RESOURCES (8) - Mineral Resources (Base Metals and other commodities) | EARTH'S ENVIRONMENTS (3) - Environmental Hazards | GEOSCIENCE IN THE SERVICE OF SOCIETY (6) - Geotourism and Geohazards | RESOURCES (1) - Mineral Resources (Fluid Mixing and Gold Session) | RESOURCES (2) - Mineral Resources (Nickel Session) | DYNAMIC EARTH (10) - Breakthroughs from the Laboratory | DYNAMIC EARTH (8) - The Proterozoic: Intercontinental vs Accretionary process | EVOLUTION OF LIFE & SOLAR SYSTEM (7): The Impact of Impacts | DYNAMIC EARTH (11) - Riding the Supercontinent Cycle | GEOSCIENCE IN THE SERVICE OF SOCIETY (5) - Geoscience Education | |
| 1420-1440 Geology and Mineralization of the Rocklands Copper Deposits, Cloncurry District, North West Queensland Simon Beams, Target Search Pty Ltd | Dryland salinity and woodland biota in a warming south eastern Australia: endemic flora and fauna to the rescue! Glen Bann, Australian National University | 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 | Tropics Deposit: a new gold province in Western Australia Dr. Mark Doyle, AngloGold Ashanti Limited | A Collaborative Approach to Developing a Nickel Exploration Model in the Lake Johnston Greenstone Belt Ian Gregory, Norilsk Nickel Australia | 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 | Confirmed LL chondritic meteorite within the melt sheet of the giant Murovergne impact crater, South Africa Dr. Wolfgang Maier, University of Western Australia | Crustal budgets, shifting continents and the search for Proterozoic ores Prof. David Giles, The University of Adelaide | Education & Outreach - An outline of the efforts of the Geological Society of America Gary Lewis, Geological Society of America | |
| 1440-1500 Constraints on the genesis of the Nollans Bore REE-P-U-Th deposit, Northern Territory, Australia Kelvin Hussey, Aratura Resources | Infrastructure planning and contamination management Malcolm Dale, Parsons Brinckerhoff | Geotourism and geoparks promote education for sustainable development Patrick James, University of South Australia | Links between orogenic-gold and mantle degassing of $\delta^{34}\text{S}$ plus methane Dr. Mark Kendrick, University of Melbourne | Key controls on the genesis of giant magmatic sulfide systems with special reference to source controls and multi-stage sulfide saturation Jeffrey Foster, University of Tasmania | Towards laboratory study of dislocation-related seismic-wave attenuation in olivine Robert Faria, Australian National University | Textural controls on c. 1675, 1600, and 510 Ma monzonite around Broken Hill Dr. Paul Evans, Geological Survey of Western Australia | Timing of the Lawn Hill Impact Crater and Relationship to the Century Zn-Pb Deposit, Northwest Queensland Jess Salisbury, Monash University | Facilities, Outcrops and EarthCaching: The Geological Society of Australia Education and Outreach initiatives. Where to from here? Greg McNamara, Geological Society of Australia | | |
| 1500-1520 Magmatic V-Ti-Pa mineralization at Baramba, Western Australia Dr. Peter Collins, Curtin University of Technology | Some natural and anthropogenic sources of groundwater contamination in the Himalayan mountain belt Dr. M. Asim Yasufzai, University of Peshawar | William Blandowski's 1850s Explorations of the Geology and Landscape of Southeastern Australia Dr. Doug McCann, Deakin University | Structural Controls and U-Pb age constraints for gold mineralisation at Yalaginda, Murchison province, Western Australia Dr. Nick Timms, Curtin University of Technology | Widgiemoorilla Mine Observations of a Type 1 Komatiite Nickel Deposit and Implications for Exploration Peter Miculli, Mincor Resources NL | 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 Adelle Craton (East Antarctica) Guillaume Duthaux, CSIRO Exploration and Mining | Direct field evidence for Archaean and early Proterozoic Eros-scale asteroid impacts and major geodynamic consequences, Koopabul and Pilbara Cratons Dr. Andrew Gilson, Australian National University | Supercontinents, supermountains and the rise of atmospheric oxygen Prof. Ian Campbell, The Australian National University | 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 Aliman, Marden Senior College | |
| 1520-1540 A genetic model for regional zonation and evolution of mineralized pegmatites from the Archaean Wodjina pegmatite district, Pilbara Craton, Western Australia Marcus Sweetapple, Curtin University of Technology | Geoscience and Food Traceability Anita Andrew, Environmental Isotopes Pty. Limited | | Geological History of the Flying Fox Nickel Deposit, Forestania Greenstone Belt, Yalgam Craton, Western Australia: A Preliminary Assessment Jane Collins, The University of Western Australia | | | | Hydrothermal systems associated with meteorite impacts Dr. Franco Pirajno, Geological Survey of Western Australia | Tectonics, plumes and supercontinents: The energy link Dr. Graham Begg, Minerals Targeting International PL | Living Geodiversity - simplified geology maps and linked eco-geo field trips for school and community education Glen Barn, Australian National University | |
| 1540-1600 Fluid inclusion and mineral chemical constraints on magmatic origin for metals, Cloncurry iron-oxide-Cu-Au district, NW Queensland Jalby Ann Jacob, James Cook University | | | Role of volatiles and metasomatism sub-conformal lithospheric mantle in the genesis of magmatic Ni-Cu-PGE mineralisation: a case study from the Valmaggia ultramafic pipe, Intra-Verbanus Zone (NW Italy) Dr. Marco Fiorentini, Centre for Exploration Targeting, The University of Western Australia | | | | New Perspective on the Lunar Caladym from Crater Density Populations Dr. Marc Norman, Australian National University | THE DYNAMIC EARTH: Wrap-Up discussion | | |
| 1610-1645 | | | | | | | | | | |
| 1645-1715 | | | | | | | | | | |
| Plenary Session 5 | | | | | | | | | | |
| Best Papers and Poster Awards | | | | | | | | | | |
| Afternoon Tea & Poster Presentations | | | | | | | | | | |