



22nd International Geophysical Conference and Exhibition PROGRAM AT A GLANCE

Final Program - current as at 7 February 2012 and subject to change

	Sunday 26 February 2012	Monday 27 February 2012	Tuesday 28 February 2012	Wednesday 29 February 2012	
0830					0830
0900		Opening Ceremony and Plenary Session	Concurrent Sessions	Concurrent Sessions	0900
0930					0930
1000					1000
1030		Morning Tea	Morning Tea	Morning Tea	1030
1100		Concurrent Sessions	Concurrent Sessions	Concurrent Sessions	1100
1130					1130
1200					1200
1230		Lunch and Poster Viewing Session	Lunch and Poster Viewing Session	Lunch and Poster Viewing Session	1230
1300					1300
1330		Concurrent Sessions	Concurrent Sessions	Concurrent Sessions	1330
1400					1400
1430					1430
1500		Afternoon Tea	Afternoon Tea		1500
1530		Concurrent Sessions	Concurrent Sessions	Afternoon Tea	1530
1600					
1630					1630
1700				Farewell Drinks	1700
1730		Happy Hour in Exhibition	Happy Hour in Exhibition		1730
1800	Welcome Reception				1800
1830					1830
1900					1900
1930					1930
2000			Conference Dinner		2000
2030					2030
2100					2100
2130					2130



22nd International Geophysical Conference and Exhibition Final Program

Monday 27 February 2012

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	Great Hall 1 - Petroleum I	Great Hall 2 - Petroleum II	Meeting Room M2 - Transition	Meeting Room M3 - Minerals I	Meeting Room M4 - Minerals II						
0830 - 0900	Conference Opening					0830 - 0900					
0900 - 0930						0900 - 0930					
0930 - 1000						Plenary Session					0930 - 1000
1000 - 1030											1000 - 1030
1030 - 1100	Morning Tea in Exhibition Hall										1030 - 1100
1100 - 1230	Petroleum - Seismic Processing I	Petroleum - Seismic Acquisition I - Offshore	Geothermal Exploration	Minerals - IP Acquisition	Minerals - Exploration I	1100 - 1230					
Chair Person	Steve Hearn	Randall Taylor	Phil Harman	TBC	Tim Munday						
1100 - 1130	KEYNOTE ADDRESS: Seismic Imaging: Recent Breakthroughs, But What Comes Next? <i>E Robien</i>	KEYNOTE ADDRESS: Seismic Acquisition from Yesterday to Tomorrow <i>J Meunier</i>	KEYNOTE ADDRESS: Geophysical challenges for geothermal exploration <i>G Beardsmore</i>	Transmitter Waveform and Receiver Transfer Function Modeling in Time Domain Induced Polarization <i>E Auken</i>	KEYNOTE ADDRESS: Have we unearthed all? What is left in Australia? <i>N Sheard</i>	1100 - 1130					
1130 - 1200			Geophysical Technologies for Geothermal Well Field Development in Sedimentary Basins <i>B Harris</i>	Inductive Source Induced Polarization <i>D Marchant</i>		1130 - 1200					
1200 - 1230	Application of Inverse Scattering Series Method for Internal Multiple Attenuation - A Case Study <i>M Wang</i>	Very Low Frequency Marine Seismic Noise <i>J Parrish</i>	Is it Hot Enough Down There? Assessing Geothermal Potential in the Sydney-Gunnedah-Bowen Basin <i>C Danis</i>	Full 3D Acquisition and Modelling with the Quantec 3D System - The Hidden Hill Deposit Case Study <i>M Gharibi</i>	Structurally Constrained Lithology Characterization Using Magnetic and Gravity Gradient Data Over an Iron Ore Formation <i>C Martinez</i>	1200 - 1230					
1230 - 1300						1230 - 1300					
1300 - 1330	Lunch and Poster Viewing Session					1300 - 1330					
1330 - 1500	Petroleum - Seismic Interp - Case Study	Near Surface Seismic	Coal Seam Gas Exploration	Minerals - EM Inversion I	Minerals - Case Histories I	1330 - 1500					
Chair Person	Dennis Cooke	Shaun Strong	Milovan Urosivic	Peter Fullagar	John Donohue						
1330 - 1400	Key features of New Deep Seismic Reflection Lines Across Frontier Sedimentary Basins in Central Australia: the Arkaringa, Officer, Amadeus and Georgina Basins <i>L Carr</i>	KEYNOTE ADDRESS: The Road Ahead for Near-Surface Seismology <i>O Yilmaz</i>	KEYNOTE ADDRESS: Coal Seam Gas and Geophysics: Awkward Bedfellows? <i>S Thomson</i>	KEYNOTE ADDRESS: 3D EM inversion: Where are we and what's the road ahead? <i>D Oldenburg</i>	Geophysical Characteristics of the Carrapateena Iron-Oxide Copper-Gold Deposit <i>L Vella</i>	1330 - 1400					
1400 - 1430	From Two-Way Time to Depth and Pressure for Interpretation of Seismic Geometries and Velocities Offshore <i>A Goncharov</i>		Fracture Delineation and Monitoring of Geothermal and Coal Seam Gas Areas Using Magnetotellurics <i>S Thiel</i>		Geophysics of the Elang Cu-Au Porphyry Deposit, Indonesia, and Comparison with Other Cu-Au Porphyry Systems <i>T Hoschke</i>	1400 - 1430					
1430 - 1500	Interpretation and Modelling of the Pedirka Basin (Central Australia) Using Magnetics, Gravity, Welllog and Seismic Data <i>C Bishop</i>	Uncertainty in Near-Surface Refraction Inversion <i>D Palmer</i>	Optimizing CSG Development: Quantitative Estimation of Lithological and Geomechanical Reservoir Quality parameters from Seismic Data <i>E Bathellier</i>	Large-Scale Inversion of ZTEM Data <i>E Holtham</i>	Telfer Region FALCON Survey, Western Australia <i>C Mackey</i>	1430 - 1500					
1500 - 1530						1500 - 1530					
	Afternoon Tea in Exhibition Hall										
1530 - 1730	Petroleum - Seismic Inversion/AVO	Petroleum - Seismic Techniques - I	Groundwater Geophysics	Minerals - Passive AEM	Minerals - Regional Exploration I	1530 - 1730					
Chair Person	Henk van Paridon	Wayne Mogg	Janelle Kuter	Zhiqun Shi	TBC						
1530 - 1600	KEYNOTE ADDRESS: Understanding all that AVO stuff! <i>B Russell</i>	KEYNOTE ADDRESS: Advances in Onshore Seismic Acquisition <i>B Pramik</i>	Towed Transient Electromagnetic Survey for Groundwater Investigation - Challenges and Solutions <i>D Allen</i>	ZTEM Data Inversion and Interpretation Using the UBC-GIF MTinv3D Code: A Case History at the Silver Queen Project, British Columbia <i>P Kowalczyk</i>	MONGOLIA - Opportunities and Challenges in the Last Frontier <i>L Gochioco</i>	1530 - 1600					
1600 - 1630		Seismic on the Edge - A 3D Transition Zone Seismic Survey From Concept to Final Volume <i>A Aouad</i>	Elucidating the Nature of Surface Water - Groundwater Interactions Beneath a Large Unregulated River System with the Aid of AEM Data <i>T Munday</i>	Extracting Information from ZTEM Data with 2D Inversions <i>D Sattel</i>	New Precompetitive Geophysical Products from the Onshore Energy Security Program <i>N Stolz</i>	1600 - 1630					
1630 - 1700	Rock Physics Driven Joint Inversion to Facies and Reservoir Properties <i>M Kemper</i>	Seismoelectric Acquisition in an Arid Environment <i>T Dean</i>	Cross Well Radar and Vertical Radar Profiling Methods for Time Lapse Monitoring of Rainfall Infiltration <i>E Strobach</i>	ZTEM Airborne AFMAG Survey Results Over Low Sulfidation Epithermal Gold-Silver Vein Systems at Gold Springs, Southeastern Nevada <i>J Legault</i>	Architecture and Evolution of the West Musgrave Province, and Implications for Mineral Prospectivity <i>A Joly</i>	1630 - 1700					
1700 - 1730	TBC	Finite-Difference Modelling for the Optimisation of Coherent-Noise Suppression in Very Shallow Seismic Reflection <i>A Hallam</i>	Electromagnetic Methods Used for the Characterisation of Aquifers in Timor-Leste <i>Y Ley-Cooper</i>	The Application of ZTEM to Porphyry Copper-Gold Exploration <i>K Witherly</i>	Increased Mineral Prospectivity in the Southeast of NSW <i>D Robson</i>	1700 - 1730					
1730 - 1800						1730 - 1800					
1730 - 1830	Happy Hour in Exhibition					1730 - 1830					



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Tuesday 28 February 2012

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	Great Hall 1 - Petroleum I	Great Hall 2 - Petroleum II	Meeting Room M2 - Transition Proudly Sponsored by 	Meeting Room M3 - Minerals I	Meeting Room M4 - Minerals II	
0830 - 1030	Petroleum - Seismic Interpretation - Unconventional	Petroleum - Seismic Techniques - II	Coal Geophysics I - Advances	Minerals - EM Inversion II	Minerals - Case Histories II	0830 - 1030
Chair Person	Milovan Urosevic	Fiona Ducan	Troy Peters	Guimin Liu	David Denham	
0830 - 0900	KEYNOTE ADDRESS: Characterising Unconventional Plays <i>M Hall</i>	KEYNOTE ADDRESS: Advances in petroleum industry seismic acquisition technology <i>D Monk</i>	Automated Interpretation of 3D Seismic Data Using Genetic Algorithms <i>G Fallon</i>	KEYNOTE ADDRESS: Recent Advances in Large-Scale 3D Inversion of Airborne Electromagnetic and Potential Field Data <i>M Zhdanov</i>	Geophysics at the Hawsons Iron Project, NSW - Eastern Australia's New Magnetite Resource <i>J Donohue</i>	0830 - 0900
0900 - 0930			An Investigation of Statics Correction Methods for 3D PS-Wave Seismic Reflection <i>S Strong</i>		Airborne Electromagnetics in Pilbara Manganese Exploration - A Case Study <i>A Noeltzi</i>	0900 - 0930
0930 - 1000	Silvereye 1 Case Study - the False Positive <i>M Doring</i>	Super-Virtual Refraction Interferometric Datuming: Enhancing the Refracted Energy <i>A Aldawood</i>	Seismic Fault Detectability: A View from Numerical Modelling <i>B Zhou</i>	Transdimensional Monte Carlo Inversion of AEM Data <i>R Brodie</i>	The Geophysical Study of Drybones Kimberlite Using 3D Time Domain EM Inversion and 3D ZTEM Inversion Algorithms <i>V Kaminski</i>	0930 - 1000
1000 - 1030	Simultaneous Acquisition of Towed EM and 2D Seismic - A Successful Field Test <i>F Engelmark</i>	The Importance of Non-Hyperbolic and Stretch Effects in Far-Offset P and PS NMO Processing <i>S Strong</i>	Coal Seam Roof Stability Prediction and Evaluation Based on GIS Platform with Multiple Data Sets <i>H Wang</i>	Examples on the Effect of Different Apriori Informations to Constrained Inversion of AEM Data <i>A Viezzoli</i>	Unearthing the Xade Complex, Botswana <i>B Corner</i>	1000 - 1030
1030 - 1100	Morning Tea in Exhibition Hall					1030 - 1100
1100 - 1230	Petroleum - Seismic Acquisition II - Environment	Petroleum - Seismic Processing/Migration I	Coal Geophysics II - Seismic	Minerals - Advances in AEM	Minerals - Gravity & Magnetic Gradiometry I	1100 - 1230
Chair Person	Leonie Jones	Bing Zhou	Binzhong Zhou	Richard Chopping	Andrew King	
1100 - 1130	KEYNOTE ADDRESS: Seismic surveys and marine life: given the positive and track record, what's the problem? <i>J Hughes</i>	PSDM for Improved Imaging Under Seafloor Channels - Browse Basin Case Study <i>H Debenham</i>	KEYNOTE ADDRESS: Coal Geophysics - Applications, Similarities and Differences <i>P Hatherly</i>	Design and Testing of ARMIT Magnetic Field Sensors for EM Systems <i>J Macnae</i>	KEYNOTE ADDRESS: The Strong Attraction of Gravity at Geoscience Australia <i>R Lane</i>	1100 - 1130
1130 - 1200	Impacts of Environmental Restrictions on 3D Seismic Survey Design, Operations and Signal Processing: Case Study From Offshore Exmouth, Western Australia <i>P Bouloudas</i>	A Robust Scheme to Output Angle-Domain Common Image Gathers for Shot-Profile Migration <i>W Sun</i>		Advances in Helicopter Airborne Electromagnetics <i>S Mule</i>		1130 - 1200
1200 - 1230	Simultaneous Sources: The Inaugural Full-Field, Marine Seismic Case History from Australia <i>I Moore</i>	Optimal Stacking for Multi-Azimuth Pre-Stack Seismic Data <i>B Hung</i>	US Coal Geophysics Expands and Gains More Support <i>L Gochioco</i>	AEM Data Quality Assurance and Control Procedures - A Work in Progress <i>M Costelloe</i>	New Methods for Interpretation of Magnetic Gradient Tensor Data <i>D Clark</i>	1200 - 1230
1230 - 1330	Lunch and Poster Viewing Session					1230 - 1330
1330 - 1500	Petroleum - 4D Geophysics I - Reservoir Monitoring	Petroleum - Seismic Acquisition III - Offshore	Coal Geophysics III - EM Methods	Minerals - AEM Modelling & Inversion	Minerals - Gravity & Magnetic Gradiometry II	1330 - 1500
Chair Person	Dariush Nadri	Reem Freij-Ayoub	Peter Hatherly	Andrea Rutley	Clive Foss	
1330 - 1400	KEYNOTE ADDRESS: 4D seismic monitoring of hydrocarbon production and CO2 sequestration: theory and practice <i>D Lumley</i>	KEYNOTE ADDRESS: Broadband Seismic <i>A Long</i>	Efficient Forward Modelling of Electromagnetic Surface Impedance for Coal Seam Assessment <i>H Espinosa</i>	3D VTEM Inversion for Delineating Sub-Vertical Shear Zones in the West African Gold Belt <i>M Combrink</i>	Full Tensor Squid Gradiome for Airborne Exploration <i>A Chwala</i>	1330 - 1400
1400 - 1430			Application of Airborne EM to Bowen Basin Coal Projects <i>K Godber</i>	Practical 3D Inversion of Large Airborne Time Domain Electromagnetic Data Sets <i>D Yang</i>	Interpretation of FTG Data Using Tensor Axis Realignment <i>J Dickinson</i>	1400 - 1430

1430 - 1500	Feasibility of Time-Lapse Gravity Monitoring of Producing Gas Fields in the Northern Carnarvon Basin, Australia <i>W Young</i>	Variable-Depth Streamer Acquisition: Broadband Data for Imaging, Post and Pre-Stack Inversion <i>P Whiting</i>	Coalmine Hazard Mapping with High Resolution Ground Magnetics and Gamma Ray Spectrometer in the Hunter Valley, NSW <i>P McClelland</i>	Inversion of Electromagnetic Data Processed by Principal Component Analysis <i>M. A. Kass</i>	Eo to Density - Data Processing Issues to Consider with a 1 Eo/root Hz AGG Instrument <i>T Aravanis</i>	1430 - 1500
1500 - 1530	Afternoon Tea in Exhibition Hall					1500 - 1530
1530 - 1730	Petroleum - Seismic Interpretation - Fracture Detection	Petroleum - Seismic Modelling / Inversion / Tomography	Coal Geophysics IV - Innovation	Minerals & Petroleum - Basin & Basement Interpretation from Potential Fields	Environmental & Engineering Geophysics I	1530 - 1730
Chair Person	Andrew Aouad	Brett Harris	Karel Driml	Mike Dentith	Koya Suto	
1530 - 1600	Azimuthal Reflectivity Inversion <i>L Michel</i>	Estimating Elastic Constants From A Raw Seismic Reflection Data By Performing Turning Ray Tomography <i>A Qadrouh</i>	Investigation of Azimuthal Anisotropy in High-Fold 3D Multicomponent Seismic Reflection <i>S Hearn</i>	Potential-field Data for Structural Interpretation in the Northern Perth Basin, Australia <i>R Hackney</i>	Gravity Gradiometry for Emerging Applications <i>D DiFrancesco</i>	1530 - 1600
1600 - 1630	Estimating the Amount of Uplift During Canning Basin Tectonic Events Using Sonic Logs <i>M Dentith</i>	A New 2D/3D Accurate Numerical Geophysical Forward Modelling Technique: Sub-Domain Chebyshev Spectral Method <i>B Zhou</i>	Inversion Methodology for Determination of Near-Surface Geology from Seismic Refraction Amplitudes <i>A Meulenbroek</i>	Interpretation of Aeromagnetic and Gravity Data from Western New South Wales - Identifying Basin and Basement Geology <i>R Hegarty</i>	Assessing the Presence of Hard Rock along a Gas Pipeline Alignment with Airborne EM <i>N Christensen</i>	1600 - 1630
1630 - 1700	Integrated Fault Interpretation Using Well Data <i>L Dahlhaus</i>	Elastic Modeling of Seismic Wave Propagation in Partially Saturated Rocks <i>J Deeks</i>	Interburden Mapping Using 3D Seismic at an Underground Coal Mine in the Bowen Basin, Queensland <i>H van Paridon</i>	Aeromagnetics Assists Oil & Gas Exploration in the Bedout Sub Basin, Offshore Canning Basin <i>P.R Chowdhury</i>	Case Study on the Application of Geophysics to a Port Expansion Project <i>I James</i>	1630 - 1700
1700 - 1730	Teasing Out the Faults within the Permian Carbonate using an Azimuth-Rich Seismic Data - a Thailand Case Study <i>V Kong</i>	Numerical and Field Experiments for Virtual Source Tomography, Perth Basin, Western Australia <i>M AlMalki</i>	Analysing Variability in Geophysical Data Interpretation by Monitoring Eye Gaze Movement <i>Y Sivarajah</i>	Regional Tectonic Controls on Basement Architecture and Oil Accumulation within the Muglad Basin, Sudan <i>D Fairhead</i>	Laboratory Evaluation of Laser Vibrometer for Non-Contact Rock Damage Assessment <i>X Luo</i>	1700 - 1730
1730 - 1800	Happy Hour in Exhibition					1730 - 1800
1730 - 1830						1730 - 1830
1900 - 2200	Conference Dinner - Boulevard Room, Brisbane Convention and Exhibition Centre					1900 - 2200



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Wednesday 29 February 2012

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	Great Hall 1 - Petroleum I	Great Hall 2 - Petroleum II	Meeting Room M2 - Transition	Meeting Room M3 - Minerals I	Meeting Room M4 - Minerals II	
0830 - 1030	Petroleum - Seismic Anisotropy	Petroleum Exploration - Case Studies	4D Geophysics II - CO2 Geosequestration	Minerals - Joint Inversion	Minerals - Mining/Exploration - Seismic	0830 - 1030
Chair Person	Maxim Lebedev	Nigel Fisher	TBC	Magdel Combrinck	Ned Stolz	
0830 - 0930	KEYNOTE ADDRESS: Imaging the Earth Using Better Lenses: Seismic Anisotropy <i>T Alkhalifah</i>	TBC Fault Seal Analysis in 'Branched' Fault Traps, Eastern Gippsland Basin <i>J Sayers</i>	KEYNOTE ADDRESS: Geophysical Methods for CO2 Sequestration Monitoring and Reservoir Characterization <i>C Liner</i>	Using Self-Organising Maps to Derive Lithological Boundaries from Geophysically-Derived Data in the Mt. Isa Region, Queensland <i>J Hodgkinson</i> Self-Organizing Maps for Pseudo-Lithological Classification of 3D Airborne Electromagnetic, Gravity Gradiometry and Magnetic Inversions <i>S Fraser</i>	Seismic Reflection Imaging of the Mafic-Ultramafic Windimurra Igneous Complex, Yilgarn Craton, Western Australia <i>L Jones</i> Joint Inversion of Seismic Traveltimes and Gravity Data Using Petrophysical Constraints with Application to Lithology Differentiation <i>J Sun</i>	0830 - 0930
0930 - 1000	Prestack Depth Imaging of Multi-Azimuth Seismic Data in the Presence of Orthorhombic Anisotropy <i>Y Xie</i>	A New Idea of NREGS and its Application to Oil Exploration, Case Study: Detecting Geological Salt Structures in Northern Coasts of Persian Gulf <i>Y Allahavakoli</i>	Prediction of the Seismic Time-Lapse Signal of CO2/CH4 Injection into a Depleted Gas Reservoir - Otway Project <i>E Caspari</i>	Joint Inversion Through A Level Set Formulation <i>M Holtzman Gazit</i>	Velocity Model Determination for Accurate Location of Mining-Induced Seismic Events <i>A King</i>	0930 - 1000
1000 - 1030	Quality control of Azimuthal Shear Wave Anisotropy Analysis <i>M Kozak</i>	Mapping of Bedrock Using the High-Resolution Seismic Reflection Technique at Wadi Al Dawasir Region, Saudi Arabia <i>G Al-Anezi</i>	3D Modeling for Time Lapse Cross Well CSEM Monitoring of CO2 Injection into Brine Filled Reservoirs <i>R Swanepoel</i>	Stochastic Methods for Model Assessment of Airborne Electromagnetic Data <i>B Minsley</i>	Velocity-Less Time Migration in Application to Hard Rock Environments <i>K Tertyshnikov</i>	1000 - 1030
1030 - 1100	Morning Tea in Exhibition Hall					1030 - 1100
1100 - 1300	Petroleum - Borehole Geophysics	Petroleum - Seismic Processing/Migration II	Petroleum - EM Methods & AEM Bathymetry	Environmental & Engineering Geophysics II	Minerals - Regional Exploration II	1100 - 1300
Chair Person	Mark Tingay	Simon Cordery	Michael Asten	Michael Hatch	Liejun Wang	
1100 - 1130	Tube Wave Removal from Vertical Seismic Profiling (VSP) Surveys <i>D Nadri</i>	Seismic Azimuthal Anisotropy Analysis for Estimating Reservoir Properties at Stybarrow Field, NW Shelf, Australia <i>L Gavin</i>	*Unsmooth * 1D Inversion of Frequency Domain Marine Controlled Source EM Data <i>N Godber</i>	An Application of Multi-Channel Analysis of Surface Waves (MASW) to Hydrological Study: A Case History <i>K Suto</i>	Regional Mineral Exploration Targeting Based on Crustal Electrical Conductivity Variations from MT Data <i>M Dentith</i>	1100 - 1130
1130 - 1200	Next Generation Borehole Seismic Source: Dual-Wavefield Downhole Vibrator System <i>A Nalonnil</i>	Elliptical Dip Moveout for 3D Seismic Imaging in the Presence of Azimuthal Anisotropy <i>J Shragge</i>	Understanding the Effect of Bathymetry on the Marine Controlled Source Electromagnetic Method using Electromagnetic Streamlines <i>A Pethick</i>	SkyTEM Helicopter Transient Electromagnetic Surveys of Australian Tailings Dams <i>J Reid</i>	Magnetotelluric Investigations Complement Multi-Disciplinary Geophysical Data <i>J Duan</i>	1130 - 1200
1200 - 1230	Unearthing New Layers : Crosswell Seismic Redefines Seismic Imaging in Bunyu Field, Indonesia <i>S Dogra</i>	The Application of Wiener Optimum Deconvolution Filter (WODF) with Frequency Analysis to Suppress Ground-Roll in Seismic Data <i>R.N Pertiwi</i>	The Use of Airborne TEM for Detection of Various Seafloor Topographic Features - Multiple Quasi-Parallel Ridges (Yatala Shoals), a Mini-Mountain Peak (South Page) and a Submerged Bank (Threshold Bank) in Backstairs Passage, South Australia <i>J Vrbancich</i>	Geophysics at Australia's Coastal Desalination Plants <i>R Whiteley</i>	Geological Interpretation of Heliborne Geophysical Data from the Kaladgi Basin, Southern India <i>M Sridhar</i>	1200 - 1230
1230 - 1330	Lunch and Poster Viewing Session					1230 - 1330
1330 - 1530	Petroleum - Rock Physics	Petroleum - Seismic Acquisition IV - Onshore	4D Geophysics III - Reservoir Monitoring	Minerals - Rock Properties	Minerals - Potential Fields Inversion <i>Proudly Sponsored by</i> 	1330 - 1530
Chair Person	Marina Pervukhina	Sunil Varma	Xun Luo	Mark Lackie	James Reid	
1330 - 1400	Evaluation of Rock Properties and Rock Structures in the μ -range with sub- μ X-Ray Computed Tomography <i>G Zacher</i>	KEYNOTE ADDRESS: Simultaneous Sources: Moving from Theory to Application <i>C Beasley</i>	KEYNOTE ADDRESS: Microseismic Monitoring During Shale Field Development <i>P Duncan</i>	Electrical Properties of Magnetite- and Hematite-Rich Rocks and Ores <i>L Vella</i>	Inversion of Magnetic Data from Remanent and Induced Sources <i>R Ellis</i>	1330 - 1400

1400 - 1430	Laboratory Study of the Influence of Changing the Injection Rate on P-wave Velocities and Water Saturation in a Limestone <i>S Lopes</i>	Broadband and High Performance Vibroseis for High-Density Wide-Azimuth Land Acquisition <i>E Bathellier</i>	Understanding the Applications and Limitations of Time-Lapse Gravity for Reservoir Monitoring <i>R Krahenbuhl</i>	Superparamagnetic Effects in EM surveys for Mineral Exploration <i>P Mutton</i>	A Window Constrained Nonlinear Inversion Method for Interpretation of Aeromagnetic Data <i>M Beiki</i>	1400 - 1430
1430 - 1500	3C Laboratory Measurement Using Laser Interferometer: Estimations of Stress Induced Anisotropy <i>M Lebedev</i>	The Use of Pseudorandom Sweeps to Reduce Interference Noise in Simultaneous Vibroseis Surveys <i>T Dean</i>	Time-Lapse Wave-Equation Migration Velocity Analysis <i>J Shragge</i>	The Remote Determination of Magnetic Remanence <i>D Pratt</i>	The Virtual Exploration Geophysics Laboratory (VEGL) Portal: Harnessing Cloud Computing for Potential-Field Inversions <i>R Chopping</i>	1430 - 1500
1500 - 1530	A New Physical Model for the Pressure Sensitivity of Unconsolidated Sands <i>M Saul</i>	Investigating the Impact of Acquisition Design on the Problem of Imaging Below Shallow Gas <i>T Brice</i>	Onshore Time-Lapse Borehole Seismic Project for CO2 Injection Monitoring <i>L Dahlhaus</i>	A Web-Based Utility to Highlight the Role of Remanent Magnetization in Australian Magnetic Field Data <i>C Foss</i>	Incorporating Geologic Structure into the Inversion of Magnetic Data <i>K Davis</i>	1500 - 1530
1530 - 1600	Afternoon Tea in Exhibition Hall					1530 - 1600
1600 - 1630	Plenary Session and Closing Ceremony					1600 - 1630
1630 - 1700						
1700 - 1730	Farewell Drinks in Foyer					1700 - 1730
1730 - 1800						1730 - 1800

Poster Presentations

Monday 27 February 2012 - Wednesday 29 February 2012

Current as at 7 February 2012 and subject to change

GEOPHYSICAL INVERSION & EM	AIRBORNE EM	POTENTIAL FIELDS - GRAVITY
3D Inversion of SPECTREM and ZTEM Data from the Pebble Cu-Au-Mo Porphyry Deposit, Alaska <i>J Legault</i>	The Frome Airborne Electromagnetic Survey <i>I Roach</i>	Self-Gradient Effects for Airborne Gravity Gradiometry <i>P. Johnston</i>
AEM Inversion of VTEM Data from a Resistive Terrain <i>R Brodie</i>	Airborne TEM for Recovery of Basin Scale Solute Distribution; Perth Basin, WA <i>B Harris</i>	Depth Estimating Full Tensor Gravity Data with the Adaptive Tilt Angle Method <i>C Murphy</i>
Study on the TEM Response Due to the Grounded Wire with Short-Offset <i>G Xue</i>	Regional Terrain Corrected Gravity Grid Production, examples from South Australia <i>P Heath</i>	Application of Curvatures to Airborne Gravity Gradients <i>C Cevallos</i>
High-resolution regional-scale 3D inversion modelling using the National Computational Infrastructure <i>J Goodwin</i>	Finite Element Based Inversion of AEM Data using Stochastic Optimization <i>E Haber</i>	Interpretation of Airborne Gravity Gradiometry and Magnetic Data Using Cross-Gradients <i>C Cevallos</i>
The Application of TSIM in Defining Sills in Coal Seams: A Case Study at Coppabella Mine <i>J Henry</i>	A New Processing System for Very Early Time SkyTEM101 Data <i>C Schamper</i>	Understanding Gravity Gradiometry Processing and Interpretation Through the Karing Test Site Data <i>Y Li</i>
3D Inversion of Surface & Borehole Electromagnetic Data <i>D Annetts</i>	Review of Three Airborne EM Systems <i>S Mule</i>	Mapping basement relief of Abu Gharadig Basin, Western Desert of Egypt using 3D inversion of pseudo-gravity data <i>A Salem</i>
POTENTIAL EXPLORATION	POTENTIAL FIELDS - MAGNETICS	ENVIRONMENTAL AND ENGINEERING GEOPHYSICS
Rich, Attractive and Extremely Dense: A Geophysical Review of Australian IOCGs <i>J Austin & C Foss</i>	Mapping Using Magnetic Depth Spectra <i>R Clifton</i>	Investigation of the Weathering Layer Using Seismic Refraction and High-Resolution Seismic Reflection Methods, NE of Riyadh City <i>G Al-Anezi</i>

Potential Field Modelling of the Tingha Monzogranite and Tin Mineralised Gilgai Granite, Inverell NSW <i>A Carlton</i>	Geoscience Australia's Geomagnetism Program - Assisting Geophysical Exploration <i>W Jones</i>	Integrated Detection of Landmines Using Neutron Backscattering and Magnetic Gradient Techniques <i>M Elkattan</i>
Estimating the age of volcanism in Seamount Provinces of the Northeast Indian Ocean <i>R Taneja</i>	An Iterative Approach to Optimising Depth to Magnetic Source Using the Spectral Method <i>A Meixner</i>	Long-Range Ground Deformation Measurement Using Interferometric Synthetic Aperture Radar Data on Both Up-Going and Down-Going Orbits <i>S Rokugawa</i>
Potential Field Interpretation of the Kars Zone, Western NSW <i>R Musgrave</i>	Depth to Magnetic Sources in the Offshore Northern Perth Basin <i>S Johnston</i>	AEM Bathymetry and Conductivity Estimation in Very Shallow Hypersaline Waters of The Coorong, South Australia <i>J Vrbancich</i>
Skellefte mining District in 3D; results from integrated interpretation of potential field, resistivity/IP and reflection-seismic data <i>S Tavakoli</i>	From Surface to Mantle; An Overview of Downloadable Magnetotelluric Data from South Australia <i>T Dhu</i>	
Geological Milieu of the Bijawar Basin based on interpretation of geophysical data; Central India <i>A.K. Pathak</i>	Interpretation of Magnetic Gradient Tensor for Automatic Locating a Dipole Source <i>H Rim</i>	
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