10.1071/PVv2012n156p35

SECTION 1
CONFERENCE PROGRAM

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22nd International Geophysical Conference and Exhibition
PROGRAM AT A GLANCE
Final Program – current as at 31 January 2012 and subject to change

	Sunday 26 February 2012	Monday 27 February 2012	Tuesday 28 February 2012	Wednesday 29 February 2012	
0830		Opening Ceremony and Plenary Session	Concurrent Sessions	Concurrent Sessions	0830
0900					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				Plenary Session and Closing Ceremony	1600
1630					1630
1700				Farewell Drinks	1700
1730		Happy Hour in Exhibition	Happy Hour in Exhibition		1730
1800	Welcome Reception		Conference Dinner		1800
1830					1830
1900					1900
1930					1930
2000					2000
2030					2030
2100					2100
2130					2130

Conference Program

22nd International Geophysical Conference and Exhibition Final Program
Monday 27 February 2012
Current as at 31 January 2012 and subject to change

	Great Hall 1 – Petroleum I (Doors 1, 6 & 7)	Great Hall 2 – Petroleum II (Doors 4, 8 & 9)	Meeting Room M2 – Transition	Meeting Room M3 – Minerals I	Meeting Room M4 – Minerals II	
0830–0900	**Opening Ceremony and Plenary Session**					0830–0900
0900–0930						0900–0930
0930–1000						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? *E Robein*	**KEYNOTE ADDRESS:** Seismic Acquisition from Yesterday to Tomorrow *J Meunier*	**KEYNOTE ADDRESS:** Geophysical challenges for geothermal exploration *G Beardsmore*	Transmitter Waveform and Receiver Transfer Function Modeling in Time Domain Induced Polarization *E Auken*	**KEYNOTE ADDRESS:** Have we unearthed all? What is left in Australia? *N Sheard*	1100–1130
1130–1200			Geophysical Technologies for Geothermal Well Field Development in Sedimentary Basins *B Harris*	Inductive Source Induced Polarization *D Marchant*		1130–1200
1200–1230	Application of Inverse Scattering Series Method for Internal Multiple Attenuation – A Case Study *M Wang*	Very Low Frequency Marine Seismic Noise *J Parrish*	Is it Hot Enough Down There? Assessing Geothermal Potential in the Sydney-Gunnedah-Bowen Basin *C Danis*	Full 3D Acquisition and Modelling with the Quantec 3D System – The Hidden Hill Deposit Case Study *M Gharibi*	Structurally Constrained Lithology Characterization Using Magnetic and Gravity Gradient Data Over an Iron Ore Formation *C Martinez*	1200–1230
1230–1330	**Lunch and Poster Viewing Session**					1230–1330
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 Urosevic**	**Peter Fullagar**	**John Donohue**	

1330–1400	Key features of New Deep Seismic Reflection Lines Across Frontier Sedimentary Basins in Central Australia: the Arckaringa, Officer, Amadeus and Georgina Basins *L Carr*	**KEYNOTE ADDRESS:** The Road Ahead for Near-Surface Seismology *O Yilmaz*	**KEYNOTE ADDRESS:** Coal Seam Gas and Geophysics: Awkward Bedfellows? *S Thomson*	**KEYNOTE ADDRESS:** 3D EM inversion: Where are we and what's the road ahead? *D Oldenburg*	Geophysical Characteristics of the Carrapateena Iron-Oxide Copper-Gold Deposit *L Vella*	1330–1400
1400–1430	From Two-Way Time to Depth and Pressure for Interpretation of Seismic Geometries and Velocities Offshore *A Goncharov*		Fracture Delineation and Monitoring of Geothermal and Coal Seam Gas Areas Using Magnetotellurics *S Thiel*		Geophysics of the Elang Cu-Au Porphyry Deposit, Indonesia, and Comparison with Other Cu-Au Porphyry Systems *T Hoschke*	1400–1430
1430–1500	Interpretation and Modelling of the Pedirka Basin (Central Australia) Using Magnetics, Gravity, Welllog and Seismic Data *C Bishop*	Uncertainty in Near-Surface Refraction Inversion *D Palmer*	Optimizing CSG Development: Quantitative Estimation of Lithological and Geomechanical Reservoir Quality parameters from Seismic Data *E Bathellier*	Large-Scale Inversion of ZTEM Data *E Holtham*	Telfer Region FALCON Survey, Western Australia *C Mackey*	1430–1500
1500–1530	**Afternoon Tea in Exhibition Hall**					1500–1530
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! *B Russell*	**KEYNOTE ADDRESS:** Advances in Onshore Seismic Acquisition *B Pramik*	Towed Transient Electromagnetic Survey for Groundwater Investigation – Challenges and Solutions *D Allen*	ZTEM Data Inversion and Interpretation Using the UBC-GIF MTinv3D Code: A Case History at the Silver Queen Project, British Columbia *P Kowalczyk*	MONGOLIA – Opportunities and Challenges in the Last Frontier *L Gochioco*	1530–1600
1600–1630		Seismic on the Edge – A 3D Transition Zone Seismic Survey From Concept to Final Volume *A Aouad*	Elucidating the Nature of Surface Water – Groundwater Interactions Beneath a Large Unregulated River System with the Aid of AEM Data *T Munday*	Extracting Information from ZTEM Data with 2D Inversions *D Sattel*	New Precompetitive Geophysical Products from the Onshore Energy Security Program *N Stolz*	1600–1630
1630–1700	Rock Physics Driven Joint Inversion to Facies and Reservoir Properties *M Kemper*	Seismoelectric Acquisition in an Arid Environment *T Dean*	Cross Well Radar and Vertical Radar Profiling Methods for Time Lapse Monitoring of Rainfall Infiltration *E Strobach*	ZTEM Airborne AFMAG Survey Results Over Low Sulfidation Epithermal Gold-Silver Vein Systems at Gold Springs, Southeastern Nevada *J Legault*	Architecture and Evolution of the West Musgrave Province, and Implications for Mineral Prospectivity *A Joly*	1630–1700
1700–1730	TBC	Finite-Difference Modelling for the Optimisation of Coherent-Noise Suppression in Very Shallow Seismic Reflection *A Hallam*	Electromagnetic Methods Used for the Characterisation of Aquifers in Timor-Leste *Y Ley-Cooper*	The Application of ZTEM to Porphyry Copper-Gold Exploration *K Witherly*	Increased Mineral Prospectivity in the Southeast of NSW *D Robson*	1700–1730
1730–1830	**Happy Hour in Exhibition**					1730–1830

22nd International Geophysical Conference and Exhibition Final Program
Tuesday 28 February 2012
Current as at 31 January 2012 and subject to change

	Great Hall 1 – Petroleum I (Doors 1, 6 & 7)	Great Hall 2 – Petroleum II (Doors 4, 8 & 9)	Meeting Room M2 – Transition Proudly sponsored by AngloAmerican	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	**Roman Pevzner**	**Fiona Duncan**	**Troy Peters**	**Guimin Liu**	**David Denham**	
0830–0900	**KEYNOTE ADDRESS:** Characterising Unconventional Plays *M Hall*	**KEYNOTE ADDRESS:** Advances in petroleum industry seismic acquisition technology *D Monk*	Automated Interpretation of 3D Seismic Data Using Genetic Algorithms *G Fallon*	**KEYNOTE ADDRESS:** Recent Advances in Large-Scale 3D Inversion of Airborne Electromagnetic and Potential Field Data *M Zhdanov*	Geophysics at the Hawsons Iron Project, NSW – Eastern Australia's New Magnetite Resource *J Donohue*	0830–0900
0900–0930			An Investigation of Statics Correction Methods for 3D PS-Wave Seismic Reflection *S Strong*		Airborne Electromagnetics in Pilbara Manganese Exploration – A Case Study *A Noetzli*	0900–0930
0930–1000	Silvereye 1 Case Study – the False Positive *M Dorling*	Super-Virtual Refraction Interferometric Datuming: Enhancing the Refracted Energy *A Aldawood*	Seismic Fault Detectability: A View from Numerical Modelling *B Zhou*	Transdimensional Monte Carlo Inversion of AEM Data *R Brodie*	The Geophysical Study of Drybones Kimberlite Using 3D Time Domain EM Inversion and 3D ZTEM Inversion Algorithms *V Kaminski*	0930–1000
1000–1030	Simultaneous Acquisition of Towed EM and 2D Seismic – A Successful Field Test *F Engelmark*	The Importance of Non-Hyperbolic and Stretch Effects in Far-Offset P and PS NMO Processing *S Strong*	Coal Seam Roof Stability Prediction and Evaluation Based on GIS Platform with Multiple Data Sets *H Wang*	Examples on the Effect of Different Apriori Informations to Constrained Inversion of AEM Data *A Viezzoli*	Unearthing the Xade Complex, Botswana *B Corner*	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? *J Hughes*	PSDM for Improved Imaging Under Seafloor Channels - Browse Basin Case Study *H Debenham*	**KEYNOTE ADDRESS:** Coal Geophysics – Applications, Similarities and Differences *P Hatherly*	Design and Testing of ARMIT Magnetic Field Sensors for EM Systems *J Macnae*	**KEYNOTE ADDRESS:** The strong attraction of gravity at Geoscience Australia *R Lane*	1100–1130
1130–1200	Impacts of Environmental Restrictions on 3D Seismic Survey Design, Operations and Signal Processing: Case Study From Offshore Exmouth, Western Australia *P Bouloudas*	A Robust Scheme to Output Angle-Domain Common Image Gathers for Shot-Profile Migration *W Sun*		Advances in Helicopter Airborne Electromagnetics *S Mule*		1130–1200

1200–1230	Simultaneous Sources: The Inaugural Full-Field, Marine Seismic Case History from Australia *I Moore*	Optimal Stacking for Multi-Azimuth Pre-Stack Seismic Data *B Hung*	US Coal Geophysics Expands and Gains More Support *L Gochioco*	AEM Data Quality Assurance and Control Procedures – A Work in Progress *M Costelloe*	New Methods for Interpretation of Magnetic Gradient Tensor Data *D Clark*	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**	**Clive Foss**	**Andrea Rutley**	
1330–1400	**KEYNOTE ADDRESS:** 4D seismic monitoring of hydrocarbon production and CO2 sequestration: theory and practice *D Lumley*	**KEYNOTE ADDRESS:** Broadband Seismic *A Long*	Efficient Forward Modelling of Electromagnetic Surface Impedance for Coal Seam Assessment *H Espinosa*	3D VTEM Inversion for Delineating Sub-Vertical Shear Zones in the West African Gold Belt *M Combrinck*	Full Tensor Squid Gradiometer for Airborne Exploration *A Chwala*	1330–1400
1400–1430			Application of Airborne EM to Bowen Basin Coal Projects *K Godber*	Practical 3D Inversion of Large Airborne Time Domain Electromagnetic Data Sets *D Yang*	Interpretation of FTG Data Using Tensor Axis Realignment *J Dickinson*	1400–1430
1430–1500	Feasibility of Time-Lapse Gravity Monitoring of Producing Gas Fields in the Northern Carnarvon Basin, Australia *W Young*	Variable-Depth Streamer Acquisition: Broadband Data for Imaging, Post and Pre-Stack Inversion *P Whiting*	Coalmine Hazard Mapping with High Resolution Ground Magnetics and Gamma Ray Spectrometer in the Hunter Valley, NSW *P McClelland*	Inversion of Electromagnetic Data Processed By Principal Component Analysis *M. A. Kass*	Eo to Density - Data Processing Issues to Consider with a 1 Eo/ root Hz AGG Instrument *M Grujic*	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 *L Michel*	Estimating Elastic Constants From A Raw Seismic Reflection Data By Performing Turning Ray Tomography *A Qadrouh*	Investigation of Azimuthal Anisotropy in High-Fold 3D Multicomponent Seismic Reflection *S Hearn*	Potential-field Data for Structural Interpretation in the Northern Perth Basin, Australia *R Hackney*	Gravity Gradiometry for Emerging Applications *D DiFrancesco*	1530–1600
1600–1630	Estimating the Amount of Uplift During Canning Basin Tectonic Events Using Sonic Logs *M Dentith*	A New 2D/3D Accurate Numerical Geophysical Forward Modelling Technique: Sub-Domain Chebyshev Spectral Method *B Zhou*	Inversion Methodology for Determination of Near-Surface Geology from Seismic Refraction Amplitudes *A Meulenbroek*	Interpretation of Aeromagnetic and Gravity Data from Western New South Wales - Identifying Basin and Basement Geology *R Hegarty*	Assessing the Presence of Hard Rock along a Gas Pipeline Alignment with Airborne EM *N Christensen*	1600–1630
1630–1700	Integrated Fault Interpretation Using Well Data *L Dahlhaus*	Elastic Modeling of Seismic Wave Propagation in Partially Saturated Rocks *J Deeks*	Interburden Mapping Using 3D Seismic at an Underground Coal Mine in the Bowen Basin, Queensland *H van Paridon*	Aeromagnetics Assists Oil & Gas Exploration in the Bedout Sub Basin, Offshore Canning Basin *P.R Chowdhury*	Case Study on the Application of Geophysics to a Port Expansion Project *I James*	1630–1700

1700–1730	Teasing Out the Faults within the Permian Carbonate using an Azimuth-Rich Seismic Data - a Thailand Case Study *V Kong*	Numerical and Field Experiments for Virtual Source Tomography, Perth Basin, Western Australia *M AlMalki*	Analysing Variability in Geophysical Data Interpretation by Monitoring Eye Gaze Movement *Y Sivarajah*	Regional Tectonic Controls on Basement Architecture and Oil Accumulation within the Muglad Basin, Sudan *D Fairhead*	Laboratory Evaluation of Laser Vibrometer for Non-Contact Rock Damage Assessment *X Luo*	1700–1730
1730–1830	**Happy Hour in Exhibition**					1730–1830
1830–1900						1830–1900
1900–2200	**Conference Dinner - Boulevard Room, Brisbane Convention and Exhibition Centre**					1900–2200

22nd International Geophysical Conference and Exhibition Final Program
Wednesday 29 February 2012
Current as at 31 January 2012 and subject to change

	Great Hall 1 – Petroleum I (Doors 1, 6 & 7)	**Great Hall 2 – Petroleum II (Doors 4, 8 & 9)**	**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 – CO_2 Geosequestration**	**Minerals – Joint Inversion**	**Minerals – Mining/Exploration – Seismic**	**0830–1030**
Chair Person	**Boris Gurevich**	**Nigel Fisher**	**TBC**	**Magdel Combrinck**	**Ned Stolz**	
0830–0930	**KEYNOTE ADDRESS:** Imaging the Earth Using Better Lenses: Seismic Anisotropy *T Alkhalifah*	Seismic Studies of Gas Hydrate in the KG Basin, East Sea, Offshore India *K.M Shukla*	**KEYNOTE ADDRESS**: Geophysical Methods for CO2 Sequestration Monitoring and Reservoir Characterization *C Liner*	Using Self-Organising Maps to Derive Lithological Boundaries from Geophysically-Derived Data in the Mt. Isa Region, Queensland *J Hodgkinson*	Seismic Reflection Imaging of the Mafic-Ultramafic Windimurra Igneous Complex, Yilgarn Craton, Western Australia *L Jones*	0830–0930
		Fault Seal Analysis in 'Branched' Fault Traps, Eastern Gippsland Basin *J Sayers*		Self-Organizing Maps for Pseudo-Lithological Classification of 3D Airborne Electromagnetic, Gravity Gradiometry and Magnetic Inversions *S Fraser*	Joint Inversion of Seismic Traveltimes and Gravity Data Using Petrophysical Constraints with Application to Lithology Differentiation *J Sun*	
0930–1000	Prestack Depth Imaging of Multi-Azimuth Seismic Data in the Presence of Orthorhombic Anisotropy *Y Xie*	A New Idea of NREGS and its Application to Oil Exploration, Case Study: Detecting Geological Salt Structures in Northern Coasts of Persian Gulf *Y Allahtavakoli*	Prediction of the Seismic Time-Lapse Signal of CO2/CH4 Injection into a Depleted Gas Reservoir – Otway Project *E Caspari*	Joint Inversion Through A Level Set Formulation *M Holtzman Gazit*	Velocity Model Determination for Accurate Location of Mining-Induced Seismic Events *A King*	0930–1000
1000–1030	Quality control of Azimuthal Shear Wave Anisotropy Analysis *M Kozak*	Mapping of Bedrock Using the High-Resolution Seismic Reflection Technique at Wadi Al Dawasir Region, Saudi Arabia *G Al-Anezi*	3D Modeling for Time Lapse Cross Well CSEM Monitoring of CO_2 Injection into Brine Filled Reservoirs *R Swanepoel*	Stochastic Methods for Model Assessment of Airborne Electromagnetic Data *B Minsley*	Velocity-Less Time Migration in Application to Hard Rock Environments *K Tertyshnikov*	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 *D Nadri*	Seismic Azimuthal Anisotropy Analysis for Estimating Reservoir Properties at Stybarrow Field, NW Shelf, Australia *L Gavin*	'Unsmooth' 1D Inversion of Frequency Domain Marine Controlled Source EM Data *N Godber*	An Application of Multi-Channel Analysis of Surface Waves (MASW) to Hydrological Study: A Case History *K Suto*	Regional Mineral Exploration Targeting Based on Crustal Electrical Conductivity Variations from MT Data *M Dentith*	1100–1130
1130–1200	Next Generation Borehole Seismic Source: Dual-Wavefield Downhole Vibrator System *A Nalonnil*	Elliptical Dip Moveout for 3D Seismic Imaging in the Presence of Azimuthal Anisotropy *J Shragge*	Understanding the Effect of Bathymetry on the Marine Controlled Source Electromagnetic Method using Electromagnetic Streamlines *A Pethick*	SkyTEM Helicopter Transient Electromagnetic Surveys of Australian Tailings Dams *J Reid*	Magnetotelluric Investigations Complement Multi-Disciplinary Geophysical Data *J Duan*	1130–1200
1200–1230	Unearthing New Layers: Crosswell Seismic Redefines Seismic Imaging in Bunyu Field, Indonesia *S Dogra*	The Application of Wiener Optimum Deconvolution Filter (WODF) with Frequency Analysis to Suppress Ground-Roll in Seismic Data *R.N Pertiwi*	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 *J Vrbancich*	Geophysics at Australia's Coastal Desalination Plants *R Whiteley*	Geological Interpretation of Heliborne Geophysical Data from the Kaladgi Basin; Southern India *M Sridhar*	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** ***Proudly sponsored by*** GEOSOFT	**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 *G Zacher*	**KEYNOTE ADDRESS:** Simultaneous Sources: Moving from Theory to Application *C Beasley*	**KEYNOTE ADDRESS:** Microseismic Monitoring During Shale Field Development *P Duncan*	Electrical Properties of Magnetite- and Hematite-Rich Rocks and Ores *L Vella*	Inversion of Magnetic Data from Remanent and Induced Sources *R Ellis*	1330–1400

Conference Program

1400–1430	Laboratory Study of the Influence of Changing the Injection Rate on P-wave Velocities and Water Saturation in a Limestone *S Lopes*	Broadband and High Performance Vibroseis for High-Density Wide-Azimuth Land Acquisition *E Bathellier*	Understanding the Applications and Limitations of Time-Lapse Gravity for Reservoir Monitoring *R Krahenbuhl*	Superparamagnetic Effects in EM surveys for Mineral Exploration *P Mutton*	A Window Constrained Nonlinear Inversion Method for Interpretation of Aeromagnetic Data *M Beiki*	1400–1430
1430–1500	3C Laboratory Measurement Using Laser Interferometer: Estimations of Stress Induced Anisotropy *M Lebedev*	The Use of Pseudorandom Sweeps to Reduce Interference Noise in Simultaneous Vibroseis Surveys *T Dean*	Time-Lapse Wave-Equation Migration Velocity Analysis *J Shragge*	The Remote Determination of Magnetic Remanence *D Pratt*	The Virtual Exploration Geophysics Laboratory (VEGL) Portal: Harnessing Cloud Computing for Potential-Field Inversions *R Chopping*	1430–1500
1500–1530	A New Physical Model for the Pressure Sensitivity of Unconsolidated Sands *M Saul*	Investigating the Impact of Acquisition Design on the Problem of Imaging Below Shallow Gas *T Brice*	Onshore Time-Lapse Borehole Seismic Project for CO_2 Injection Monitoring *L Dahlhaus*	A Web-Based Utility to Highlight the Role of Remanent Magnetization in Australian Magnetic Field Data *C Foss*	Incorporating Geologic Structure into the Inversion of Magnetic Data *K Davis*	1500–1530
1530–1600	**Afternoon Tea in Exhibition Hall**					1530–1600
1600–1700	**Plenary Session and Closing Ceremony**					1600–1700
1700–1800	**Farewell Drinks in Foyer**					1700–1800

Petroleum/Energy	
Saturday 25–Sunday 26 February 2012	Seismic Imaging: A Review of the Techniques, their Principles, Merits and Limitations
Sunday 26 February 2012	Oil Field Applications of Passive Seismic
Sunday 26 February 2012	A Practical Overview of Seismic Dispersion (SEG DISC 2012)
Thursday 1 March 2012	Introduction to Seismic Inversion and AVO
Thursday 1–Saturday 3 March 2012	Operational Seismic Sequence Stratigraphy
Minerals	
Friday 24–Saturday 25 February 2012	Inversion of EM data for Mineral Applications
Sunday 26 February 2012	Natural Fields EM Forum
Thursday 1 March 2012	3D EM Inversion: An Update on Capabilities and Outcomes
Industrial Workshops	
Saturday 25 February 2012	Geologically Constrained Gravity and Magnetic 3D Inversion
Saturday 25 February 2012	3D Integration of Geophysical Data Sets for Exploration and Targeting
Sunday 26 February 2012	Potent Users' Workshop
Sunday 26 February 2012	Introduction to the Aarhus Workbench Software for Processing, Inversion and Visualization of Airborne EM Data
Monday 27 February 2012	ASEG Quantitative Interpretation Workshop: A Discussion on Integrated Rock Physics Workflows
Thursday 1 March 2012	3D Geothermal Temperature Modelling

**Please note all Petroleum/Energy and Minerals Workshops will take place at the Sofitel Brisbane Central Hotel–249 Turbot Street, Brisbane 4000. Industrial Workshops may be hosted at an alternate venue; please visit the registration desk for further information.*

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Committee	Time	Venue	Contact
Sunday 26 February 2012			
ASEG Council Meeting	1300–1700	Meeting Rooms 5 & 6	CASM – aseg@casm.com.au
Monday 27 February 2012			
Education/Membership	1230–1400	Meeting Room 5	Cameron Hamilton – cameron@energeo.com.au Koya Suto – koya@terra-au.com
International Affairs	1230–1330	Exhibition Hall Room	Dennis Cooke – dennis.a.cooke@gmail.com
Publication	1230–1330	Meeting Room 6	Phil Schmidt – phil.schmidt@csiro.au
Tuesday 28 February 2012			
International Affairs – Intersociety Luncheon	1230–1330	Exhibition Hall Room	Dennis Cooke - dennis.a.cooke@gmail.com
Research Foundation	1230–1330	Meeting Room 5	Doug Roberts – doug.roberts@beachpetroleum.com
Technical Standards	1230–1330	Meeting Room 6	Dave Robson – david.robson@dpi.nsw.gov.au
Wednesday 29 February 2012			
COC Sponsors' & Exhibitors' Meeting	1100–1200	Exhibition Hall Room	John Donohue – john.donohue@capex.net.au Ron Palmer – ron.palmer@pgcgroup.com.au
Conference Advisory	1230–1330	Meeting Room 6	Mike Hatch – michael.hatch@adelaide.edu.au Andrea Rutley – andrea.rutley@angloamerican.com
Historical	1230–1330	Meeting Room 5	Roger Henderson – rogah@tpg.com.au
Website	1230–1330	Exhibition Hall Room	Carina Kemp – c.kemp@geomole.com

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Sunday 26 February 2012

Welcome Reception
Time: 1800–1900
Location: Exhibition Area, Hall 1, Brisbane Convention and Exhibition Centre
Dress: Smart Casual
Tickets: Included in the **Full** Registration fee for Delegates. Additional tickets can be purchased for A$65 per person at the registration desk.

An invitation is extended to full delegates and registered accompanying persons to attend the Welcome Function. Renew old friendships and make new acquaintances as we welcome you to Brisbane.

Monday 27 February 2012

Happy Hour
Proudly sponsored by

Time: 1730–1830
Location: Exhibition Area, Hall 1, Brisbane Convention and Exhibition Centre
Dress: Smart Casual
Tickets: Included in the **Full & Day** Registration fee for Delegates. Additional tickets can be purchased for A$35 per person per happy hour at the registration desk.

Review the day's events with colleagues while browsing the poster and exhibitor displays in a relaxed happy hour following the technical sessions.

Postgraduate Student Reception
Proudly sponsored by

Time: 1830–1930
Location: The Plough Inn Tavern, South Bank
Dress: Smart Casual
Tickets: Complimentary to the first 50 RSVP's. Only open to postgraduate students and recent graduates.

This reception will be held for postgraduate students and recent graduates, enabling postgraduates to network with recent graduates from related fields.

Tuesday 28 February 2012

Happy Hour
Time: 1730–1830
Location: Exhibition Area, Hall 1, Brisbane Convention and Exhibition Centre
Dress: Smart Casual
Tickets: Included in the **Full & Day** Registration fee for Delegates. Additional tickets can be purchased for A$35 per person per happy hour at the registration desk.

Review the day's events with colleagues while browsing the poster and exhibitor displays in a relaxed happy hour following the technical sessions.

Conference Dinner
Proudly sponsored by

Time: 1900 - 2200
Location: Plaza Ballroom, Brisbane Convention and Exhibition Centre
Dress: Smart Casual
Tickets: This event is **not included** in the fee for Delegates. Tickets can be purchased for A$140 at the registration desk.

The Conference Dinner will be one of the memorable highlights of the Conference. Guests will be treated to a sumptuous three course meal and Australian wines, beers and soft drinks while being entertained by an engaging guest speaker.

Wednesday 29 February 2012

Farewell Drinks
Proudly sponsored by

Time: 1700–1800
Location: Exhibition Area, Hall 1, Brisbane Convention and Exhibition Centre
Dress: Smart Casual
Tickets: Included in the **Full & Day** Registration fee for Delegates. Additional tickets can be purchased for A$35 per person at the registration desk.

The General Assembly will be officially closed followed by drinks and canapés to bid farewell to old and new friends.

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