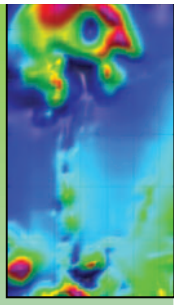
SECTION 1

CONFERENCE PROGRAM

Intrepid and GeoModeller

Integrated Geology and Geophysics Solutions



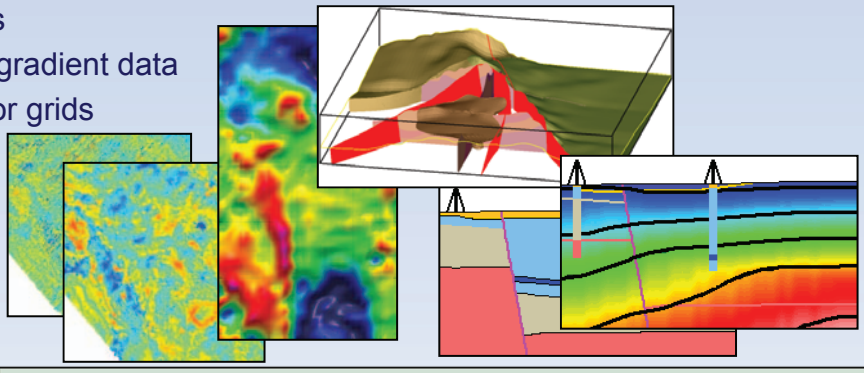
If you are looking for the REAL answer
Intrepid has it for you!

Realistic 3D geology models … built quickly … and easily revised and updated!

- Forward modeling gravity and magnetics responses of realistic 3D geology models
- Inversion - Lithologically constrained inversion of gravity and magnetics field data
- Geothermal - Rapid calculation of temperature and heat flow directly from 3D geology

Full tensor geophysics data processing … exploit the power of tensor survey datasets!

- De-noise filtering of line and grid data using linear differential gradient and tensor kernels for all observed components
- Loop leveling for full tensor gradient data
- GridFFT filtering of full tensor grids
- Variable RTP



VISIT US AT BOOTH 48

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Pre-Conference Events

Workshops			
TBA	21–22 Feb. 2009	An Integrated Coalbed Methane Exploration Model: Defining Coal Seam Methane Sweetspots	Clare Room, Stamford Plaza Adelaide
09:00–17:00	21 Feb. 2009	Geophysics for Uranium Exploration	Terrace Room, Stamford Plaza Adelaide
09:00–16:00	22 Feb. 2009	Borehole Seismic Monitoring of Energy Reservoirs: Instrumentation, Installation, Interpretation, and Illustration	Mercure Grosvenor, Adelaide
08:00–17:00	22 Feb. 2009	EM in Africa Workshop	Sebel Playford Hotel
09:00–16:30	22 Feb. 2009	Developing Geophysical Skills in Australia – What are the Opportunities and Future Prospects?	Adelaide Convention Centre
Field Trip			
09:00–17:00	22 Feb. 2009	Geology of McLaren Vale	Depart Adelaide Convention Centre

Monday 23 February 2009

	TIME	STREAM 1		STREAM 2		STREAM 3		STREAM 4		STREAM 5	
Day 1 Session 1	8:45	Co–Chairs – **Andrew Shearer and Tony Hill**									
	8:55	ASEG Federal President, Peter Elliott									
	9:00	Premier of South Australia, Hon. Mike Rann									
	9:15	Plenary Session 1 Natural Gas: Australia's energy advantage – **David Knox**, ***Santos***									
	9:45	Plenary Session 2 The role of geophysics in mineral deposit discovery – a Rio Tinto perspective – **Stephen McIntosh, *Rio Tinto***									
	10:30	**Morning Tea**									
Day 1 Session 2		**Petroleum - Seismic imaging, depth migration & depth conversion**		**Minerals: Integrated Inversion**		**Geothermal Geophysics I**		**Minerals – Case Studies I**		**Minerals – Regional Scale Geophysics (New South Wales) Mike Dentith**	
	Venue: Chair:	Hall A Dennis Cooke		Hall C		Hall B Richard Hillis		Hall D David McInnes		Meeting Room 1	
	11:00	Using numerical models to aid in the seismic imaging of complex geological structures	John Bancroft, H. Moubarak & D. Lawton	Using a 3D geological mapping framework to integrate AEM, gravity and magnetic modelling – San Nicolas case history	Richard Lane, P. McInerney & R. Seikel	**Keynote Address Peter Malin** ***Joint geophysical imaging for fractured reservoirs***		Carrapateena: physical properties of a new iron-oxide copper-gold deposit	Lisa Vella & D Emerson	Carboniferous–Permian? Volcanic plugs in the Balranald region, NSW	Astrid Carlton
	11:30	Beam migration for imaging of complex geology	K. Schleicher, J. Sherwood, L. Comeaux & Mazin Farouki	Integrating geological and geophysical data through advanced constrained inversions	Peter Lelièvre, D. Oldenburg & N. Williams	Hot rocks in Australia - National overview	Barry Goldstein, A. Hill & A. Long	Review of the Jaguar Cu-Zn-Ag volcanogenic massive sulphide discovery and subsequent geophysical trials; a true blind geophysical discovery beneath a deep conductive overburden.	Nigel Cantwell, M. Cooper, J. Meyers, N. Martin & R. Sainty	Thomson Orogen – development of an integrated geological/ geophysical interpretation	David Robson, D. Glen, N. Vickery, J. Watkins & M. Faunde
	12:00	Velocity-less imaging of linearly inhomogeneous media in 3D	Andrej Bona & D. Cooke	Joint inversion of gravity and magnetotelluric data	Rachel Maier, G. Heinson, M. Tingay and S. Greenhalgh	In search of hot buried granites: a 3D map of sub-sediment granitic bodies in the Cooper Basin region of Australia, generated from inversions of gravity data.	Tony Meixner & F. Holgate	Towards direct detection of gold bearing rock formations from seismic data, St. Ives gold camp, Western Australia	Milovan Urosevic & C. Harrison	Geophysical evidence for 'blind' magmatism associated with Devonian rifting, Lachlan Orogen, New South Wales	Yvette Poudjom Djomani & R.A. Glen
	12:30	**Lunch**									

Monday 23 February 2009

	TIME	STREAM 1		STREAM 2		STREAM 3		STREAM 4		STREAM 5	
Day 1 Session 3		**Petroleum – Seismic Acquisition and the Environment**		**Petroleum – Seismic Processing & Modelling**		**Geothermal Geophysics II**		**Minerals – Comparisons of AEM Systems**		**Minerals – Potential Fields Inversion**	
	Venue: Chair:	Hall A Doug Roberts		Hall C John Bourne		Hall B Tony Hill		Hall D Richard Lane		Meeting Room 1 Phil Heath	
	13:30	**Keynote Address John Hughes** ***Seismic surveys and marine life: why is it so difficult to let the science speak?***		Shallow water 3D surface-related multiple modelling an Australian waters case study	Pierre Plasterie, M. Gayne, M. Lange, I. Sarjono, A. Pica, R. Bril, C. Faulkner & C. Mosher	Imaging a potential geothermal target using Mt Isa regional seismic reflection and potential field geophysics, Queensland, Australia	Josef Holzschuh	An overview of Helicopter Time-Domain EM systems	Daniel Sattel	Pareto optimal 2D joint inversion of gravity and magnetic data	Indrajit Roy
	14:00	Lower impact seismic reflection– trialling envirovibes in the Surat Basin	Mathew Dorling, R. Taylor & S. Hearn	Transient solution for viscoacoustic wave propagation in a double porosity medium, and its limitations	Xu Liu, S. Greenhalgh & B. Zhou	Forward prediction of spatial temperature variation from 3D geology models	Ray Siekel, K. Stuwe, H. Gibson, B. Bendall, L. McAllister, P.Reid & A. Budd	Examples showing characteristics of the MEGATEM airborne electromagnetic system	Richard Smith & J. Lemieux	Maximising geological information recovery from different magnetic instruments through the application of joint inversion	David Pratt & B. McKenzie
	14:30	Minimal-impact seismic acquisition: successful imaging using an accelerated weight drop system	Natasha Hendrick, N. Yassi & T. Visser	Time series prediction using iterative phase estimation	James Leven	Innovative geophysics and the green revolution	Tim Pugh	Results of various airborne EM systems over a target of high conductance	Ken Witherly	An automated sparse constraint model builder for UBC–GIF gravity and magnetic inversions	Nicholas Williams
	15:00	**Afternoon Tea**									

Monday 23 February 2009

	TIME	STREAM 1		STREAM 2		STREAM 3		STREAM 4		STREAM 5	
		Petroleum - Interpretation/Case Histories		**Minerals - Case Studies II**		**Environmental - AEM**		**Minerals - Advances in EM Technology**		**Minerals - Airborne Geophysical Techniques (non electrical)**	
	Venue: Chair:	Hall A Luke Gardiner		Hall C Andrew Thompson		Hall B Ken Lawrie		Hall D Kim Frankcombe		Meeting Room 1 Terry Crabb	
Day 1 Session 4	15:30	5 popular pitfalls in seismic amplitude interpretation	Jarrod Dunne	Application of geophysics to gold exploration in Ghana: examples from Newmont projects.	Thomas Tsiboah & T. Grant	From little things, big things grow…. or do they? a one-eyed view on airborne EM in environmental management over the last 20 years.	Tim Munday	Monitoring current waveform of the SeaTEM system	A. Davis, James. Macnae, J. Vrbancich & R. Smith	Interpreting gamma radiometrics in the NT	Roger Clifton
	16:00	Integrated dip data, seismic and potential field data interpretation for fault analysis of the Elk/Antelope gas field.	Adrian Goldberg	3D IP and resistivity for nickel exploration: case study from Western Australia	Eric Battig, R. Mortimerm & R. Porter	Spatial modelling incorporating AEM data to show the effects of manipulating flow regimes and groundwater lowering options over the Chowilla floodplain, SA	Tim Munday, I. Overton, A. Fitzpatrick, K.P. Tan & Z. Marsden	Extracting more information from on-time data	Sean Walker & J. Rudd	VK-1 – a new generation airborne gravity gradiometer	J. Anstie, T. Aravanis, M. Haederle, A. Mann, Stephen. McIntosh, R. Smith, F. Van Kann, G. Wells & J. Winterflood
	16:30	Geophysical studies of Australia's remote eastern deep-water frontier: results from the Capel and Faust Basins	Ron Hackney, P. Petkovic, R. Hashimoto, K. Higgins, G. Logan, G. Bernardel, J. Colwell, N. Rollet & M. Morse	Deep exploration technologies for illuminating highly prospective ground in the shadow of headframes	Greg Hollyer & R. Gordon	Investigation on the groundwater resources of the South Eyre Peninsula, South Australia, determined from spatially constrained inversion of tempest data.	Esben Auken, A. Christiansen, A. Viezzoli, A. Fitzpatrick, K. Cahill, T. Munday & V. Berens	Z-TEM (airborne AFMAG) tests over unconformity uranium deposits	Bob Lo, J. Legault & P. Kuzmin	Further developments with full tensor gradiometry datasets	Desmond Fitzgerald, D. Argast & H. Holstein
	17:00			Results from the first field trial of a borehole gravity meter for mining applications	H. O. Seigel, Chris Nind, J. MacQueen, M. Chouteau & B. Giroux	Utilizing airborne electromagnetic (EM) data, high resolution DEM and hydrogeological information to derive customised products for natural resource management along the River Murray corridor	KokPiang Tan, L. Halas, C. Pain, K. Lawrie, J. Clarke, H. Apps, K. Cullen & D. Gibson	Significantly increasing TEM survey performance by modifying frequency content of transmitter waveform	Andrew Duncan & N. Dorn		
	17:30	**Happy Hour – Sponsored by Woodside**									

Tuesday 24 February 2009

	TIME	STREAM 1		STREAM 2		STREAM 3		STREAM 4	
Day 2 Session 1		**Petroleum – Modelling and Inversion**		**Petroleum - Reservoir stress paths/fracture characterisation**		**Minerals - AEM Modelling and Inversion**		**Minerals - Continent Scale Geophysics**	
	Venue: Chair:	Hall A Danny Burns		Hall C Terry Barr		Hall B John Paine		Hall D David Denham	
	8:30	Extracting detailed lithology from seismic data	Kevin Jarvis & D. Saussus	Reducing structural uncertainty in seismic interpretation by mapping wall-rock strains to get a plausible geological model - the strain minimisation approach	Peter Boult, B. Freeman, G. Yielding & S. Menpes	**Keynote Address Max A. Meju Joint 3D interpretation of electromagnetic and seismic data: Challenges and the way forward**		The radiometric map of Australia	Brian Minty, R. Franklin, P. Milligan, M. Richardson & J. Wilford
	9:00	Understanding near-surface velocity effects using physical models	Brian Evans & R. Greaves	Spectral decomposition of 3D megasurvey for definition of hydrocarbon remigration systems and prediction of traps integrity	Laurent Langhi	Base level (drift) estimation for frequency domain HEM data using causality	James Macnae & R. Springall	The Australia-wide airborne geophysical survey – accurate continental magnetic coverage	Peter Milligan, B. Minty, M. Richardson & R. Franklin
	9:30	3D traveltime inversion of induced micro-seismic events to construct a detailed velocity model	Abdullah Al Ramadhan & B. Hartley	State and origin of present-day stress fields in sedimentary basins	Mark Tingay	Fast approximate inversion of SkyTem airborne electromagnetic data	Niels Christensen, J. Reid & M. Halkjaar	Acquiring high resolution airborne geophysical data and recognition of new mineral exploration potential as part of a development program launched by the South African government	Detlef Eberle, P. Cole & P Nyabeze
	10:00			Mechanostratigraphic control on carbonate fractured reservoir evaluation: a PNG case study	O'Karo Yogi & A. Goldberg	Fast approximate inversion of FDHEM data	Niels Christensen, A. Fitzpatrick & T. Munday	Airborne geophysics as a tool to promote mineral investment in Africa	Stephen Reford, K. Kwan, J. Nyakaana, A. Katumwehe & O. Wane
	10:30	**Morning Tea**							
Day 2 Session 2		**Petroleum - Seismic Acquisition**		**Petroleum - EM**		**Minerals - EM Case Studies**		**Minerals - Geophysical Concepts and Applications**	
	Venue: Chair:	Hall A Malcolm Horton		Hall C Jenni Clifford		Hall B Kim Frankcombe		Hall D Terry Crabb	
	11:00	Assessing the repeatability of reflection seismic data in the presence of complex near-surface conditions CO_2CRC Otway Project, Victoria, Australia	Youseuf Al Jabri, M. Urposevic, A. Kepic & B. Evans	**Keynote Address Lucy MacGregor Integration of Geophysical data: Wells, Seismic and Electromagnetics**		A case study of deep electromagnetic exploration in conductive cover	Michael Webb & B. Corscadden	New data and ideas for energy exploration in Australia	Ned Stolz
	11:30	Signal resolution and penetration from dual-sensor streamer data on the NW shelf of Australia	Andrew Long, D. Mellors, T. Allen & A. McIntyre	Airborne - EM hydrocarbon mapping in Mozambique	Andreas Pfaffling, S. Monstad, R. Groom & J. Rudd	Greenfield nickel exploration using airborne and ground EM techniques in the Eastern Arunta Region, NT	Andrew Thompson & J. McKinnon-Matthews	Geological mapping and target definition to depth through the application of distributed electrical deep earth imaging and the integration of geological information	Rob Gordon
	12:00	Geoscience Australia's southwest margin geophysical surveys	Edward Bowen & B. Bradshaw	The effect of resistivity anisotropy on earth impulse responses	Bruce Hobbs, D. Werthmüller & F. Engelmark				
	12:30	**Lunch – Sponsored by CGGVeritas**							

Tuesday 24 February 2009

	TIME	STREAM 1		STREAM 2		STREAM 3		STREAM 4	
Day 2 Session 3		**Petroleum - Seismic Acquisition**		**Minerals and Coal Seismic**		**Minerals - AEM Inversion**		**Environmental - Groundwater**	
	Venue: Chair:	Hall A Dave Cockshell		Hall C Greg Turner		Hall B John Paine		Hall D Andrew Fitzpatrick	
	13:30	**Keynote Address Craig Beasley New Developments in Seismic Acquisition**		Feasibility of the application of borehole seismology for hard rock exploration	Andrew Greenwood, M. Urosevic & A. Kepic	Application of a holistic inversion method in salinity risk and groundwater resource mapping in the River Murray corridor, SE Australia	Ken Lawrie, R. Brodie, K.P.Tan, L. Halas, D. Gibson, J. Clarke, C. Apps & K. Cullen	Groundwater recharge investigation using towed imaging devices	David Allen
	14:00	Bookabourdie Q-land* 3D proof of concept study; mapping sand thickness and sand quality in the Cooper Basin	Tim Bunting, M. Bayly, M. Tham, P. McBride, M. Daly & F. Barclay	Sub-basalt coal seam structure imaging – results from numerical modelling	Weijia Sun & B. Zhou	Holistic inversion of time domain AEM data	Ross Brodie & M. Sambridge	Improvements in mapping of floodplain dynamics by integrating drilling information with airborne EM, ground penetrating radar and ground based, high resolution EM	Michael Hatch, J. Clarke, K. Lawrie& P. Mill
	14:30	Results of a 3D hi-resolution vibroseis acquisition trial in the Cooper Basin	Stuart Brew, K. Driml, P. Gatley, F. Nicholson & S. Tobin	Azimuthal imaging challenges in coal-scale 3D multi-component seismic reflection	Shaun Strong & S. Hearn	A single software for processing, inversion, and presentation of AEM data of different systems: the Aarhus Workbench	Esben Auken, A. Viezzoli & A. Christensen	An integrated geostrategy for mapping of structures favourable to ground water occurrence – a case study	Narasimman Sundararajan, Mubarak Ali & M. N. Chary
	15:00	**Afternoon Tea**							
Day 2 Session 4		**Petroleum - Reservoir Characterisation & Rock Properties**		**Hydrogeophysics - AEM**		**General Interest - Big Picture Geophysics**		**Near Surface - Engineering Geophysics**	
	Venue: Chair:	Hall A Peter Boult		Hall C James Macnae		Hall B Shanti Rajagopalan		Hall D Michael Asten	
	15:30	Successful fluid discrimination in tight, overpressured reservoirs using AVO inversion	Jan Rindschwentner & K. Jarvis	Mineral and groundwater exploration with the SkyTEM system	Niels Christensen, M. Halkjaer & K. Sorensen	Modelling the effects of ocean and sediments on electromagnetic fields, example from the Gawler Craton, South Australia	Stephen Thiel & G. Heinson	Application of geophysics to underground space development for improvement of urban environments	Robert Whiteley
	16:00	Velocity-saturation relation transition during rocks saturation: direct laboratory observation by computer tomography and ultrasonic technique	Maxim Lebedev, B. Gurevich, B. Clenell, M. Pervukhina, V. Shulakova & T. Müller	Utilizing airborne electromagnetic data to map groundwater salinity and salt store at Chowilla, SA	KokPiang Tan, T. Munday, L. Halas & K. Cahill	Geophysical modelling of the Gawler Craton, SA - interpreting geophysics with geology	Philip Heath, T. Dhu, G. Reed & M. Fairclough	3D treatment of MASW data for monitoring ground improvement at an uncontrolled fill site	Koya Suto & B. Scott
	16:30	Quantitative characterization of hydrocarbon reservoir by means of seismic rock physics analysis: an integrated approach among seismic data, seismic rock physics of well-log and core measurement	Bagus Nurhandoko, M. Choliq, K. Triyoso, I. Soemantri, S. Praptono & M. Nurcahyo	Constrained inversion of AEM data for mapping of bathymetry, seabed sediments and aquifers	Andrea Viezzoli, E. Auken & A. Christiansen	Some issues and insights for gravity and magnetic modelling at the region to continent scale	Richard Lane	Multichannel analysis of surface waves for bedrock depth estimation over granites, Hyderabad, India	Narasimman Sundararajan, Ali Al Lazki & Seshunarayana
	17:00	3D Microanalysis of geological samples with nanofocus computed tomography	Thomas Paul, G. Zacher & O. Brunke	Development of a helicopter time domain system for bathymetric mapping and seafloor characterisation in shallow water	Julian Vrbancich & R. Smith	An extension of the closed-form solution for the gravity curvature (Bullard B) correction in the marine and airborne cases	Dominik Argast, M. Bacchin & R. Tracey	Shaft sinking risk analysis through the integration of borehole radar and acoustic televiewer data in deep geotechnical boreholes	Kazek Trofimczy, Petro Du Pisani & S. Coomber
	17:30	**Happy Hour – Sponsored by Rio Tinto**							

Wednesday 25 February 2009

	TIME	STREAM 1		STREAM 2		STREAM 3		STREAM 4	
Day 3 Session 1		**Petroleum - Seismic acquisition**		**Minerals - Crustal & Solid Earth Geophysics**		**Minerals - Case Studies, AEM**		**Minerals - Potential Fields, Mineral Exploration**	
	Venue: Chair:	Hall A Rod Lovibond		Hall C Graham Heinson		Hall B Michael Asten		Hall D Lisa Vella	
	9:00			Geophysical dataset integration of the vredefort dome, South Africa	Duncan Cowan & G. Cooper	Comparison of ground TEM and VTEM responses over kimberlites in the Kalahari of Botswana	Ed Cunion	Querying potential field inversions for signatures of chemical alteration: an example from Cobar, NSW	Richard Chopping & S. van der Wielen
	9:30	The role of in-field seismic processing in early evaluation in under-explored areas of the Darling Basin	Leonie Jones	Coherence between teleseismic tomography and long-wavelength features of the gravity and magnetic fields of southeastern Australia	Robert Musgrave & N. Rawlinson	Base metal discoveries in Africa and Australia from VTEM data	Magdel Combrinck, R. Mortimer & B. Peters	Constrained potential field inversions in areas under cover: examples from Gawler Craton IOCG prospects	Brendan Howe
	10:00	Towards cost-effective permanent seismic reservoir monitoring	Natasha Hendrick, M. Farouki, S. Mass & B. Bunn	Geophysically imaging Paleoproterozoic terrane boundaries in the unexposed northern Gawler Craton, Marla region	Graham Baines, D. Giles, P. Betts & G. Backe	Case histories illustrating the characteristics of the HeliGEOTEM system	Richard Smith, J. Lemieux & G. Hodges	Constraining gravity and magnetics inversions for mineral exploration using limited geological data	Nicholas Williams, D. Oldenberg & P. Lelievre
	10:30	**Morning Tea**							
Day 3 Session 2		**Petroleum - Seismic Anisotropy**		**Minerals - Hyperspectral Mapping**		**Minerals - African Geophysics, AEM**		**Minerals - Potential Fields, Advances In Processing**	
	Venue: Chair:	Hall A Mark Tingay		Hall C		Hall B Lisa Vella		Hall D	
	11:00	An Equivalent Offset time migration for anisotropic data	John Bancroft & P. Elapavuluri	Mineral and compositional mapping using airborne hyperspectral and geophysical products, North Queensland	Rob Hewson, T. Cudahy, M. Jones, M. Thomas, C. Laukamp & F. Agustin	VTEM response of the Tusker gold deposit, Tanzania	Karen Pittard & B. Bourne	Terracing potential field data	Gordon Cooper & D. Cowan
	11:30	Improving seismic anisotropy estimation by multi directional residual curvature analysis.	Sergey Birdus & L. Li	Mapping regional alteration patterns in the Curnamona Province using hyperspectral core scanning technology	Alan Mauger	Geophysical response of the Munali Ni-Cu deposit, Zambia	Ken Witherly	Enhancement of lamproite magnetic signatures	Duncan Cowan & G. Cooper
	12:00	Nonlinear estimation of Thomsen anisotropy parameters in TI media	Dariush Nadri, A. Bona & M. Urosevic	Acid sulphate soil mapping with hyperspectral imagery at South Yunderup, Western Australia	Ian Lau & M. Verrall	the application of airborne geophysics in the exploration for iron ore in the Zouerat area of Mauritania	Willem Botha & Mohamed Elhacen Ould Med Yeslem	Strategies to invert a suite of magnetic field anomalies due to remanent magnetization: an example from the Georgetown area of Queensland	Clive Foss & B. McKenzie
	12:30	**Lunch**							

Wednesday 25 February 2009

	Time	STREAM 1		STREAM 2		STREAM 3		STREAM 4	
		Petroleum - Seismic processing		Minerals - Electrical Geophysics Concepts		Minerals - AEM Mapping		Minerals - Electrical and EM Geophysics	
Day 3 Session 3	Venue: Chair:	Hall A Stuart Brew		Hall C Todd Grant		Hall B David McInnes		Hall D Michael Hatch	
	13:30	Revisiting the Vibroseis wavelet	Shaun Strong & S. Hearn	SPM and airborne EM	Paul Mutton & R. Mortimer	Airborne electromagnetic survey results from the Paterson Province, WA	Camilla Sorensen, A. Fisher & M. Costelloe	DC resistivity Frechet derivatives for a uniform anisotropic medium with a tilted axis of symmetry	Tim Wiese, S. Greenhalgh, B. Zhou, L. Marescot & M. Greenhalgh
	14:00	Using modern processing technology to improve signal to noise ratio, a Perth basin 3D land case study.	Pierre Plasterie & N. Mudge	Use of principal component images for classification of the EM response of unexploded ordnance	Michael Asten	Structural mapping under cover with airborne EM	Chris Wijns	Fast approximate 3D inversion of ground TEM data utilising the concept of magnetic moments.	Ralf Schaa & P. Fullager
	14:30	Practical issues of reverse time migration: true amplitude gathers, noise removal and harmonic-source encoding	James Sun & Y. Zhang	A revised mathematical formulation for induced polarization	Andrea Viezzoli	The AeroTEM system in Africa	Jonathan Rudd & S. Walker	DC resistivity modelling in anisotropic media with Gaussian quadrature grids	Mark Greenhalgh, B. Zhou & S. Greenhalgh
	15:00	Afternoon Tea							
Day 3 Session 4		Petroleum - Seismic processing		Petroleum - Gravity & Magnetics		Near Surface - Micro Earthquakes			
	Venue: Chair:	Hall A Phil McBride		Hall C Said Amri-Besheli		Hall B Koya Suto			
	15:30	Interpolating a 2D acquisition into a 3D using a Fourier reconstruction method	Pierre Plasterie, Y. Jacquot, S. Irvine, G. Poole, T. Martin, V. Lendzionowski & A. Davies	Basement constraints on offshore basin architecture as determined by new aeromagnetic data acquired over Bass Strait and western margin of Tasmania	Michael Morse, G. Gibson & C. Mitchell	An elastic properties computation to predict 4D seismic effects for CO2 sequestration – a methodology	Putri Wisman & Milovan Urosevic		
	16:00	3D tomographic amplitude inversion for compensating amplitude attenuation	Kefeng Xin, B. Hung, S. Birdus & J. Sun			Microtremor observations in Tamar Valley, Launceston, Tasmania: evidence of 2D resonance from observed microtremor and numerical modelling	Maxime Claprood & M. Asten		
	16:30	Conference Close							
	17:00	Happy Hour and Closing Drinks – Sponsored by Shell							

Post-Conference Events

Workshops			
09:00–17:00	26 Feb. 2009	A Short Course in Magnetotelluric (MT) Methodology	University Club, Adelaide University
09:00–17:00	26 Feb. 2009	Alteration Mapping in the Virtual Core Library – Semi-quantitative Mineralogy for Geophysicists using HyLogging	PIRSA, Grenfell Street
09:00–16:00	26 Feb. 2009	Constrained Inversion and Presentation of AEM Data of Different System with the Aarhus Workbench	Holiday Inn Adelaide
09:00–17:00	26 Feb. 2009	2009 SEG Distinguished Instructor Short Course Petroleum Engineering: Integration of Static and Dynamic Models – Dr Patrick Corbett, Heriot-Watt University	Mawson Lecture Theatre, Mawson Bldg (Geology Dept), University of Adelaide Campus
Field Trip			
TBA	26 Feb. – 4 Mar. 2009	Australian Uranium Deposits	TBA

Committee	Date	Time	Catering	Room	Contact	Email
Membership Committee	Sunday 22/02/2009	12:30–13:30	Light lunch	Meeting Room 3 – Ground Floor	Emma Brand & Cameron Hamilton	emma.brand@mun.ca; cameron.hamilton@origonenergy.com.au
ASEG Council Meeting	Sunday 22/02/2009	14:00–17:00	Tea & Coffee Light afternoon tea	Meeting Room 3 – Ground Floor	Louise Middleton	louise@casm.com.au
Technical Standards Committee	Monday 23/02/2009	12:30–13:30	Light lunch	Meeting Room 3 – Ground Floor	Dave Robson	david.robson@dpi.nsw.gov.au
Website Training Session	Monday 23/02/2009	12:30–13:30	Light lunch	Meeting Room 10 – Level 1	Wayne Stasinowsky	wayne.stasinowsky@encom.com.au
International Affairs Committee	Monday 23/02/09	12:30–13:30	Light lunch	Meeting Room 7 Level 1	Koya Suto	koyasuto@optusnet.com.au
International Affairs – Inter-Society Luncheon	Tuesday 24/02/2009	12:30–13:30	Light lunch	Meeting Room 3 – Ground Floor	Koya Suto	koyasuto@optusnet.com.au
COC Sponsors/Exhibitors meeting	Tuesday 24/02/2009	07:30–08:30	Breakfast	Meeting Room 3 – Ground Floor	Doug Roberts	doug.roberts@beachpetroleum.com.au
Research Foundation	Tuesday 24/02/2009	12:30–13:30	Light Lunch	Meeting Room 10 – Level 1	Phil Harman	phil.harman@gravitydiamonds.com.au
Education Committee	Wednesday 25/02/09	12:30–13:30	Light lunch	Meeting Room 4 Level 1	Milovan Urosevich	m.urosevic@curtin.edu.au
Publication Committee	Wednesday 25/02/2009	12:30–13:30	Light lunch	Meeting Room 3 – Ground Floor	Phil Schmidt	phil.schmidt.@csiro.au
Conference Advisory Committee	Wednesday 25/02/2009	12:30–13:30	Light lunch	Meeting Room 10 – Level 1	Mike Hatch	michael.hatch@adelaide.edu.au

Sunday 22 February 2009

6–8 pm **Ice-breaker Reception**
Proudly sponsored by Santos
Adelaide Convention Centre (Hall H)
Please join us for a unique opportunity to renew old acquaintances and develop some new business relationships in a relaxing environment.
Cost included with full registration
Additional tickets $44 per person

Monday 23 February 2009

5–6 pm **Happy Hour**
Sponsored by Woodside
After completing the first day of sessions, unwind with a drink in the exhibition area to complete the day.
Cost included with full registration
Additional tickets $25 per person

5.45 pm **Geology of North Terrace**
Join a couple of local geoscientists for a self-funded walk with a difference. The late afternoon walk (and pub-crawl) along North Terrace provides the chance to discuss a little geology, visit a couple of hotels and chat with friends and new acquaintances. Many of the public and commercial buildings along the Terrace are constructed from a range of local, Australian and overseas dimension stones. Nick Lemon, with the assistance of local organising committee members, will lead the tour. Those interested should assemble at the registration desk at 5.45 pm.
Approx. time 1.5 hours

Tuesday 24 February 2009

5–6 pm **Happy Hour**
Sponsored by Rio Tinto
Adelaide Convention Centre (Hall H)
Cost included with full registration
Additional tickets $25 per person

7 pm **Conference Gala Dinner**
Sponsored by Beach Petroleum
Stamford Grand Hotel, Glenelg
After a drink at Happy Hour, we invite you to join us for an unforgettable evening at The Stamford Grand Hotel, Glenelg. Situated on one of Adelaide's most famous beaches, The Stamford Grand stands out not only for its location, but also its hospitality. Enjoy the complete experience and travel to and from Glenelg on one of Adelaide's famous trams, specially chartered for ASEG delegates. An exquisite three course dinner including local beverages will be complimented by entertainment from Rod Quantock, one of Australia's best comedians.
Tickets $99 per person (limited numbers apply)

Wednesday 25 February 2009

5–6 pm **Closing Drinks**
Sponsored by Shell
To conclude the 20th International Geophysical Conference & Exhibition, attend the farewell reception in the foyer, with stunning views of the River Torrens and city lights.
Cost included with full registration
Additional tickets $25 per person

Friday 27 February 2009

10 am onwards **PESA/SPE Golf Day at Flagstaff Hill Golf Course**
An all day event starting at 10 am for check in and shotgun start at 11 am. The golf is followed by an evening dinner.
Entry fee covers green fees, on-course lunch and refreshments, pre-dinner drinks and dinner.
Please note that these charges apply to all participants regardless of membership affiliation. $75 for SPE/PESA/ASEG members. $100 for non-members.
$40 for attendance at the dinner only. Limited numbers. Bookings only via the SPE website: http://southaustralia.spe.org.

WOODSIDE

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As Australia's largest liquefied natural gas producer, **Woodside** is playing a significant role in meeting the world's growing clean energy needs.

Woodside is an Australian oil and gas company with a global perspective on energy supply.

Based in Perth, we have major operational assets and exploration and development interests in Australia and overseas.

We are Australia's largest publicly traded oil and gas exploration and production company, traded on the Australian Securities Exchange.

With an impressive portfolio of LNG projects and planned developments, Woodside is poised to help meet growing global demand for clean energy.

Our goal is to be a global leader in LNG production, with demand for LNG exceeding supply until at least 2020.

We operate the North West Shelf Venture, the fourth biggest LNG producer in the world.

Our LNG production capacity will increase significantly from the end of 2010 with first gas from our $12 billion Pluto LNG Project.

We offer a dynamic and challenging work environment, extending from our world-class Australian LNG operations, to major oil producing facilities and international exploration, development and construction projects.

Woodside is committed to excellence in health and safety, reducing its environmental footprint, and sustainable development which benefits the communities in which we operate.

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