Biographies

To cite this article: (2007) Biographies, Preview, 2007:131, 125-142, DOI: 10.1071/PVv2007n131p125

To link to this article: https://doi.org/10.1071/PVv2007n131p125

Published online: 16 Jan 2019.

Submit your article to this journal

Article views: 11

View related articles
ABDULLA AL NAIM is the Vice President of Exploration. His responsibilities, which are undertaken by five departments, include finding, delineating, helping develop the enormous oil and gas reserves of the Kingdom and evaluating the Kingdom’s hydrocarbon potential. Abdulla joined Aramco in 1978 as a Wellsite Geologist during a time of intense drilling activity. He acquired a deep understanding of petroleum geology during technical assignments with the Exploitation Division (1980) and Exploration Division (1983). This was followed by a number of administrative assignments leading to becoming Manager of the Area Exploration Department (1996), Manager of the Exploration Operations Department (2002), and Manager of the Reservoir Characterization Department (Feb. 2004). He was assigned as Executive Director of Exploration in November 2004 then appointed as Vice President in April 2006. Abdulla has been a member of the American Association of Petroleum Geologists (AAPG) since 1986 and served on its International Committee during 1989. He received the International Special Commendation Award in 1999 and was President of the AAPG Middle East Region until 2006. Realising a need for a local professional society, he was a co-founder in 1989 and the first president of the Dhahran Geoscience Society, an AAPG affiliate. Abdulla has served on the organising committees of the regional Society of Petroleum Engineers (SPE) technical conferences. He also serves on the organising committees of the regional GEO Conferences and was the GEO 2006 Chairman. Abdulla holds a Bachelor’s degree in Geology from King Saud University, Riyadh. He also attended courses in Petroleum Management at Oxford during 1989 and at the Berkeley Center for Executive Development in 1997.

LYN BEAZLEY is Chief Scientist of Western Australia. She was appointed to this position in December 2006. Her role involves leading the state government’s new science and innovation advisory body, which replaces both the WA Science Council and the WA Technology and Industry Advisory Council. This new body supervises the allocation of over $70 million given to science and innovation in WA. Professor Beazley has led world-first work in brain development research; most recently the widely publicised discovery that stimulating or training damaged nerves can lead to their regeneration – something which could offer hope to millions of spinal cord injury sufferers worldwide. She has co-ordinated the University of Western Australia’s Neurotrauma Research Program since its inception in 1999. She is a fellow of the Australian Institute of Biologists, a member of the Australian Science, Technology and Engineering Council, chair of the Gene and Related Therapies Research Advisory Panel and on the College of Experts of the Australian Research Council. Her election to the small expert panel of Sweden’s Natural Science Research Council to review the scientific status of international neuroscience research is a measure of the worldwide respect for her work. After completing an Honours degree in Zoology at Edinburgh University, Professor Beazley pursued a research career at Oxford University. She arrived at UWA on a research fellowship in 1976 and has built her worldwide reputation and her team from there. Her main focus as Chief Scientist is to ‘do, translate and communicate science at all levels throughout the State.’ She believes that science should be made accessible to everyone.

BRUCE ROBINSON is Convenor, ASPO Australia. The Australian Association for the Study of Peak Oil & Gas is a network of professionals, interested in the impacts of Peak Oil and in the possibilities to minimise them. Bruce is a physical scientist with 30 years experience in mineral research instrumentation, and a past Councillor of the Royal Automobile Club of Western Australia. He has studied forecasts of world oil depletion since 1996 and has presented a number of papers on the topic, including at the Australasian Transport Research Forum in 2004. Bruce has attended all six International Workshops on Oil Depletion held in Europe by ASPO International, the Association for the Study of Peak Oil & Gas, and was invited to present a paper on ‘The Impact of Oil Depletion on Australia’ in Lisbon in 2005. Last year he presented invited papers on Peak Oil at conferences in Beijing and Kyoto and at the Energy Security Conference in Sydney. Bruce coordinated the dozen or so submissions from ASPO Australia and its working groups to the recent Senate inquiry into Australia’s future oil supplies and gave evidence at the committee’s hearings. He is an Associate of the Institute for Sustainability and Technology Policy at Murdoch University, a member of the Petroleum Exploration Society of Australia and of the Editorial Committee of Petroleum Science, the international journal published by the China University of Petroleum in Beijing. He contributed the background paper to the Oil Vulnerability section of the 2003 WA Government State Sustainability Strategy. Bruce was awarded a Centenary Medal for his work in Sustainable Transport.

Biographies

Participants in the Peak Oil Discussion after the Opening Ceremony
CHRIS ADAMS is in the third year of a PhD candidature at RMIT University under Professor James Macnae. He has a geophysical background in Borehole Geophysics and near surface environmental and UXO detection.

c.adams@student.rmit.edu.au

ABDULLAH AL RAMADHAN is a PhD student with Department of Exploration Geophysics, Curtin University of Technology, Perth, Australia. He holds a BSc in Geophysics and MSc in Mathematics from KFUPM, Dhahran, Saudi Arabia. He joined Saudi Aramco in 1986 and worked for the exploration organisation for more than 13 years as a professional geophysicist, mainly as seismic data processor for both 2D & 3D land data. Abdullah also spent five months with Halliburton Geophysical in Houston. His areas of interest include seismic data imaging and reservoir characterisation using passive sources. Abdullah is a member of SEG, EAGE, SPE and ASEG.

abdullah.ramadhan@hotmail.com

FOUZAN ALFOUZAN is a post-graduate (PhD) student at the Universiti Sains Malaysia. His current research is on optimising array configurations used in 2D electrical imaging surveys. He has an MSc in Applied Geophysics, from University of Pittsburgh, USA. Fouzan holds a position as a Geophysicist (Scientific Researcher) in the Institute of Astronomical and Geophysical Research at King Abdulazizz City for Science and Technology, Riyadh, Saudi Arabia. He has experience in preparing and operating various kinds of geophysical prospecting instruments and analysing and interpreting geophysical data. He used to assist in data collection and interpretation.

falfouzan@hotmail.com

WAYNE ALGER is a Senior Petrophysicist with Woodside Energy Ltd working mainly on Australian North West Shelf Assets. His specific interest in NMR and laminated sand formation evaluation has led to work on many other Woodside interests. Wayne joined Woodside three and half years ago after working for a variety of consultant groups on fields in Australia, South East Asia, India and Europe. Wayne graduated with an Honours degree in Geology from Portsmouth University, England.

wayne.alger@woodside.com.au

TERRY ALLEN graduated in 1968 from Edinburgh University with an Honours BSc in Mathematical Science. He has worked in the seismic contracting industry for 38 years – the last 29 years of which he has spent in Australia. He joined PGS in their Perth data processing centre in 1996 and is currently an Area Geophysicist for the Asia/Pacific region.

terry.allen@pgs.com

EICHI ARAI works as a geophysicist for the Japan Oil, Gas and Metals National Corporation, Kawasaki, Japan. He has been involved extensively in mineral exploration, in particular, projects in Australia, and managing R&D projects on geophysical techniques. His speciality in geophysics is modelling and inversion theory of electric and electromagnetic methods.

arai-eichi@jogmec.go.jp

MICHAEL ASTEN is a consulting geophysicist and Partner with Flagstaff Geo-Consultants, Melbourne, and has a specialist interest in electromagnetic methods for mineral exploration and unexploded ordnance detection. He is also a part-time Professorial Fellow at Monash University and founding member of the Centre for Environmental and Geotechnical Applications of Surface Waves (CEGAS). He leads a team funded by SERDP (a civilian agency of the US Army) which is developing an EM system with an array of B-field sensors for the purpose of detection and discrimination of unexploded ordnance objects.

michaelasten@flagstaff-geoconsultants.com.au

ESBEN AUKEN is an associate professor at the Department of Earth Sciences, University of Aarhus, Denmark. His research focus is on the development of processing and inversion schemes for ground-based and airborne transient electromagnetic data, airborne HEM data and resistivity data. He heads a larger research group which serves as a national knowledge and education centre for hydrogeophysical investigation in Denmark.

esben.auken@geo.au.dk

DAVID BAKER is employed at JRS and is a registered teacher in physics/math. He has taken 12 months leave to complete and Honours degree in geophysics at Adelaide University, Australia. His interests include astronomy and kayaking.

david.b.baker@student.adelaide.edu.au

JOHN BANCROFT is a faculty member of the University of Calgary and a Senior Research Geophysicist with the CREWES consortium. He specialises in static analysis, velocity estimation and seismic imaging that includes anisotropic and converted-wave prestack migration. John is an instructor for the SEG, which has published two of his volumes on poststack and prestack migration.

He has received best paper awards at the 1994 SEG convention, 1995, 2003, and 2006 CSEG National Convention, and the Larry Hawkins Memorial Award at the 2001 ASEG Conference. He was elected an Honorary Member of the CSEG in 2005.

bancroft@ucalgary.ca

FRAZER BARCLAY works as the Reservoir Seismic Services manager for Schlumberger in Australia. He received a BSc (Hons) in Geology and Applied Geology and has been working as a geophysicist for nearly ten years in the United Kingdom, Malaysia and more recently in Australia. Most of his work has been focused on quantitative interpretation and reservoir characterisation of 2D, 3D and 4D seismic data. Frazer has worked for Western Geophysical, Odegaard and Schlumberger all of which are now part of the Schlumberger group and has a keen interest in integrated studies.

fbarclay@perth.oilfield.slb.com

MARTIN BAYLY is a principal geophysicist for WesternGeco/Schlumberger based in Perth, Australia. His interests cover the broad range of surface seismic reflection methods, particularly, time lapse seismic and resolution enhancement methods. He has extensive experience of seismic prospecting for hydrocarbons in Australia, Indonesia, China, Vietnam, India, Malaysia and Nigeria.

mbayly@perth.westerngeco.slb.com

KIRSTY BECKETT is employed as a Hydrologist with Rio Tinto Iron Ore. She has a diverse earth science background, taking on roles in remote sensing, airborne geophysics, environmental science and environmental engineering. She has been involved in and coordinated a number of information exchange conferences and courses on the use of spatial data for land management, particularly for Western Australia. Kirsty is completing a PhD at Curtin University of Technology on ‘Multispectral processing of 256-channel gamma ray spectrometry for soil and regolith mapping’.

kirsty.beckett@riotinto.com

STEPHEN BILLINGS is Director of R&D at Sky Research and has been based in Vancouver, Canada since 2001, where he conducts research and development into methods for locating and characterising unexploded ordnance. Previously he was involved in developing processing and interpretation methodologies for airborne radiometric and magnetic datasets. He obtained his PhD from the University of Sydney in 1998.

stephen.billings@skyresearch.com
SERGEY BIRDUS works as a Depth Processing Supervisor with CGGVeritas in Perth. After receiving his PhD in Geophysics in Kiev in University in 1986 he worked as a lecturer for Kiev University, a researcher in R&D departments of major Russian service geophysical companies and in several positions with Paradigm Geophysical in Moscow and Perth before joining CGGVeritas in 2006. He is involved in challenging depth processing projects throughout the Asian Pacific region.

ANDREJ BÔNA has been a senior lecturer at Department of Exploration Geophysics, Curtin University of Technology since September 2007. Prior to this position he was assistant professor at Department of Earth Sciences, Memorial University, Canada. His main research interests include topics of theoretical seismology such as ray theory and anisotropy.

GRAHAM BOYD is the CEO of Geosolutions Pty Ltd. His whole career has been about innovation in instrumentation design and construction and software development. He was the main driver in the development of HOISTEM, a high-resolution airborne TEM system, and was presented with ASEG’s Graham Sands Award, primarily for this work, in 2003. Graham graduated from the University of Melbourne in 1972, with a BSc (1st Class Hons). Before establishing Geosolutions, he worked as Chief Geophysicist for Newmont Holdings Pty Ltd, Newmont Australia Ltd, Poseidon Exploration Ltd, the Normandy Mining Group and finally back to Newmont Mining Corporation in early 2002.

TRISTAN CAMPBELL works as a geophysicist for Geoforce Pty Ltd in Perth. His area of interest is high-resolution geophysics for environmental, geotechnical and detailed mine planning applications. Tristan has five years of experience in designing and delivering high resolution geophysical surveys for these applications and has been involved with such projects as the Gorgon Gas Facility, Australian Marine Complex as well as numerous salinity research studies. He is a current member of ASEG and the Environmental Consultants Association (ECA).

ASTRID CARLTON is a geophysicist with the NSW Department of Primary Industries in Maitland working on the New Frontiers exploration initiative. She is progressing with the production of geophysical–geological interpretations of 1:250 000 scale maps to add valuable information to regional NSW. Presently interpreting and modelling aeromagnetic data of the SW region, Astrid is piecing together information over the relatively unexplored Murray Basin. Prior to working with the DPI, Astrid conducted shallow environmental surveys and unexplored Ordovician and Carboniferous basement studies, basement tectonics and geomagnetism.

JOHN CASSIDY is a Senior Lecturer in Geophysics in the School of Geography, Geology and Environmental Sciences at The University of Auckland, New Zealand. His research interests include basin studies, basement tectonics and geomagnetism.

CARLOS CÉVALLOS is a geophysicist with the NSW Department of Primary Industries Geological Survey of NSW. He is responsible for applying geophysical techniques to data to better understand the geology of NSW and improve exploration opportunities within selected areas of the State. Prior to joining the Geological Survey, Carlos was involved in mineral exploration throughout Mexico and the southern United States with Noranda Exploration.

KALYAN CHAKRABORTY is a Specialist Geophysicist with Kuwait Gulf Oil Company in Ahmadi, Kuwait. He previously worked for the Oil and Natural Gas Corporation of India, the Geological Survey of Western Australia and Petroleum Geoservices, Australia. Kalyan obtained a BSc in Physics Honors and an MSc in Applied Geophysics from the Indian School of Mines, Dhanbad. He also obtained an MSc in Petroleum Exploration from the Curtin University of Technology, Perth, WA. Kalyan’s interests focus on the integration of seismic data with other data types for reservoir characterisation program, prospect generation and evaluation and initiation of new geophysical techniques. His current responsibility includes supervising and planning geophysical activities in the offshore divided zone of Kuwait. He is an active member of SEG, EAGE, SPE and AEG.

TIMOTHY CHALKE works for Mira Geoscience Asia Pacific, specialising in 3D integration and interpretation of geological and geophysical datasets for exploration targeting, ore body imaging and mining risk assessment. Previously, Tim spent two years in South Africa working for Anglo American. Projects undertaken included mine scale 3D seismic interpretation in the Bushveld Complex and the development of complex 3D models for target generation. He has worked as a project geologist and mine geologist for Gold and Iron Ore companies in the Yilgarn of Western Australia and in Tasmania. He obtained an MSc at Curtin University of Technology, and a BSc (Hons) from the University of Tasmania.

DEHUA CHEN graduated as a Master in applied geophysics from Daqing Petroleum Institute in April, 2000, and received his Doctors degree in Acoustics in June 2007, and will work in Institute of Acoustics, Chinese Academy of Sciences as a scientist. His interest is in acoustic logging, acoustic resonance spectroscopy and its application, and propagation of seismic waves in complex media.

RICHARD CHOPPING works at Geoscience Australia as a geophysical researcher for the Predictive Mineral Discovery Cooperative Research Centre (pmd*CRC). He graduated from the University of Tasmania in 2004 with a BSc (Hons) in Geophysics and Computer Science. His current work involves the study of the physical properties of ore deposits and how we may detect buried deposits with geophysical techniques.

MAXIME CLAPROOD is a PhD Candidate in Applied Geophysics at Monash University in Melbourne. His area of interest is the application of passive seismic methods for engineering and environmental purposes. He is particularly interested in the use of the microtremor survey method. He obtained a Geological Engineering degree, and a Master in Applied Geophysics (airborne time-domain electromagnetic) at l’École Polytechnique de Montreal.

ROGER CLIFTON is a Specialist Geophysicist with the Australian Geological Survey, is interested in advances in geophysical data processing. Roger started geophysics in the nickel days, joining BMR to process geomagnetic data in 1968. Experienced with
**MAGDEL COMBRINCK** currently works as a geophysicist for Geotech Airborne Limited in Pretoria, South Africa. She is mainly concerned with airborne data processing and special area of interest is processing and interpretation of TDEM data. Before joining Geotech Airborne Limited she lectured in geophysics at the University of Pretoria for four years. Over the last nine years she has been involved in several projects as geophysical consultant including EM, magnetic, gravity and seismic refraction fieldwork, processing and interpretation.

**STEVE COLLINS** has more than 30 years experience as a practicing mineral exploration geophysicist. He has worked extensively in Eastern Australia and Southeast Asia and also has experience in North and South America and Asia. He has an MSc from Macquarie University in exploration geophysics and worked for more than 10 years for multi-national mining companies in Australia and overseas. For the last 22 years he has been a consultant for large and small explorers, mostly in eastern Australia and southeast Asia.

**MADEL@GEO TECH AIRBORNE.COM**

**BRANKO CORNER** is a senior geophysical consultant with 37 years experience in applied geophysics and minerals exploration. He has worked as a consultant for the past 15 years, serving exploration companies involved in uranium, and base-, rare-, and precious-metal exploration, mostly in southern Africa. He specialises in integrated interpretation of geophysical and geological data sets, including detailed interpretation of much of the Namibian national high resolution aeromagnetic and radiometric data. He was Head of the Department of Geophysics at the University of the Witwatersrand from 1980 to 1992, prior to which he worked as a geophysicist in industry.

**MARINA COSTELLOE** is a Geophysicist in the Airborne Electromagnetic Acquisition and Interpretation Project at Geoscience Australia, Canberra. Working with Alan Whitaker, Ross Brodie, Adrian Fisher and Camilla Sorensen, the project is collaborating with industry to promote exploration, while also providing new regional-scale geophysical and geological information.

**NICK CRABTREE** has a Geological Sciences degree from Cambridge University in England. Nick is currently Principal Geophysicist at RPS London, UK office. He has been working on depth conversion since 1992, partly as a software developer and partly doing consulting work. In 1999, after a year in snowy Calgary, Nick returned to London to head up a research project studying uncertainty and sensitivity analysis in velocity modelling. Over the last five years he has applied the results from this research to numerous fields world-wide. Nick’s non-industry interests (apart from his wife and two children) include dinghy sailing and hiking.

**TOM CRAMPIN** joined Shell’s technology centre in The Netherlands in 1997, after Geology/Geophysics degrees in England (Durham BSc/Imperial MSc). His work focussed on pore pressure prediction and global acoustic rock properties with emphasis on deepwater stratigraphy. A transfer to Houston followed where a continuation of rock property research and services led to an exploration position drilling deepwater Gulf of Mexico prospects. Tom’s cross-posting to Woodside started in 2005, joining the Quantitative Interpretation team. Here he provided petrophysical support (keeping the geophysicists honest) for seismic inversions and calibration models for local and international projects. He has recently moved into an international development team.

**RICHARD CRESSWELL** is a Principal Research Scientist with CSIRO Land and Water in Brisbane. His current area of interest lies in water resource assessment in regions of poor data coverage. He has thus had to develop a working knowledge of hydrogeochemistry, isotopes and geophysics, but tries to leave the actual modelling to someone else!

**AARON DAVIS** submitted his PhD thesis at RMIT University on June 30, 2007. He has a Master’s Degree in Applied Physics from Dalhousie University in Halifax, Nova Scotia and is working as a Postdoctoral Fellow with James Macnae at RMIT University.

**KRISTOFER DAVIS** is a doctoral candidate in Geophysics at the Colorado School of Mines in Golden, Colorado. His research interests are potential field inverse theory, particularly large scale problems. He has had research topic that include the 4D gravity modelling of an aquifer storage and recovery project as well as in the use of magnetics processing for automatically detecting potential unexploded ordnances. Kristofer received a BSc in Geophysical Engineering at the Colorado School of Mines in 2005.

**FRIKKIE DE BEER** is Chief Scientist of Neutron Radiography and Tomography at the SAFARI-1 Nuclear Research Reactor, South Africa. He obtained his BSc at the University of Johannesburg. He has 18 years of experience in the field and is currently President of the International Society of Neutron Radiology.

**JAYATH DE SILVA** works as a hydrogeologist with the Salinity and Water Resource Recovery Branch, Water Resource Management Division of Department of Water, Western Australia. He has been extensively involved in salinity research for recovering water and land resources from dryland salinity in southwest of Western Australia.

**DAVE DEWHURST** is a Principal Research Scientist with CSIRO Petroleum. He has worked extensively on mudrocks, investigating compaction, faulting and fluid flow in these sediments for around 15 years. In recent years, his research interests have focussed on fault and top seal prediction as well as rock physics response of sedimentary rocks to changing stress and pressure conditions. He manages the Integrated Predictive Evaluation of Traps and Seals (IPETS) consortium, an industry-sponsored JIP investigating prediction of fault and top seal behaviour.

**TANIA DHU** is a project geophysicist with the Mineral and Energy Resources Group, PIRSA. She obtained a BSc at Adelaide University majoring in Geology and Geophysics. She then completed an Honour’s degree in Geophysics, looking at environmental problems, specifically whether electrical resistance tomography could be used in characterising subsurface
contaminant flow. Her PhD at Adelaide University was sponsored by CRC LEME and focused on electrical and EM signatures of the regolith.

dhu.tania@sau.gov.sa

BRUCE DICKSON joined CSIRO in 1975 and worked on a variety of aspects of application of radiation measurements to mineral exploration. His work covered aspects of uranium grade control, uranium exploration using ground waters, radioactive disequilibrium in uranium deposits, the processing and interpretation of aerial gamma-ray surveys and on visualising and interpreting complex data sets. He is currently running his own consultancy where he continues to develop and apply methods in all these areas.

bruce.dickson@optusnet.com.au

DAN DIFRANCESCO has been employed by Lockheed Martin in Niagara Falls, New York for over 20 years, serving as the lead mechanical design engineer on all commercial gravity gradiometer programs. He has also performed program and technical management functions for the Lockheed Martin Niagara business unit. He presently serves as the Business Development Manager for the Niagara operation. He received his BSME from Le Tourneau University in 1982.

dan.difrancesco@lmco.com

YVETTE POUDJOM DJOMANI is a geophysicist in the Geological Survey of NSW located in Maitland. She graduated in Geology from the University of Yaounde, Cameroon, and has a PhD in Geophysics from the University of Paris XI. Prior to joining the Survey in 2006, she was a Research Fellow at the University of Leeds, then at GEMOC at Macquarie University, working on mineral industry-related projects. Her interests include the enhancement and analysis of potential field data, estimates of effective elastic thickness to define major lithospheric boundaries and their relationship to mineral deposits. Within the Survey, she integrates high resolution geophysical data with geology to better understand the tectonics and mineral systems of NSW.

yvette.poudjom.djomani@dpi.nsw.gov.au

ANDREW DUNCAN is the Director of Electromagnetic Imaging Technology Pty Ltd (EMIT) based in Perth, Western Australia. He formed EMIT in 1994. EMIT’s products include the SMARTem electrical methods receiver system, Maxwell EM software and, more recently, the Atlantis borehole magnetometer tool for EM. Andrew has a background in the development of technology for electrical geophysics, EM in particular. His experience includes the development of airborne EM systems and distributed systems for geophysical measurements. His main interests are in the improvement of techniques for detecting and modelling highly conductive EM targets.

aduncan@electromag.com.au

BRIAN EVANS is Professor of Geophysics at Curtin. He worked for GSI as an instrument engineer, for Geoseervice in Paris as a mud-logger and with Aquatronics London on well-site surveying. He was a geophysical consultant in London for two years before moving to Perth where he worked as a consultant as well as for Shell over a period of 8 years. In 1982, he returned to study receiving an MSc and PhD in geophysics. He is author of SEG book Seismic Acquisition in Exploration and his research interests include developing technologies for modelling reservoirs under pressure. He is a member ASEG, SEG, EAGE, SPE and PESA.

evans@geophy.curtin.edu.au

DES FITZGERALD is Director and Principal of Desmond FitzGerald and Associates, now trading as Intrepid Geophysics. He obtained a BE (Mining with Hons.) in 1969 and a PhD in Mining in 1977, both from the University of Melbourne. Des co-wrote the INTREPID geophysical processing and mapping software product. Recent work includes defendable depth to basement estimates, ‘WORMS’ and support for vector and tensor processing in Intrepid. Integrating structural geology and geophysics via 3D Geomodeller is a current activity. Close partnering with many Geological Surveys has been a feature, with web services being supported for GA PIRSA, GS Ireland & BRGM.

des@intrepid-geophysics.com

ANDREW FITZPATRICK received a BSc (Hons, 1998) in geophysics from Curtin University and a PhD from the University of Tasmania (2006). He worked at Geoscience Australia from 2003 to 2006 in the Cooperative Research Centre for Landscapes, Environments and Mineral Exploration (CRCLEME). He is presently employed with the CSIRO Division of Exploration and Mining continuing with CRCLEME. His research interests are in electrical and electromagnetic geophysical techniques, and his current work primarily involves the use of airborne electromagnetic technology for environmental applications and mineral exploration.

andrew.fitzpatrick@csiro.au

CLIVE FOSS is a principal consultant with Encom Technology. Clive works in Encom’s Advanced Technical Services Division providing consultancy and training in application of gravity and magnetic methods to petroleum and mineral exploration. Clive also contributes to Encom Technology’s development of gravity and magnetic software, including ModelVision and QuickMag. Clive’s principal research interests are in the inversion of gravity and magnetic data to build geological models.

clive.foss@encom.com.au

MASAMICHI FUJIMOTO has worked as a senior geophysicist in INPEX Perth office from October 2004 for the geological and geophysical evaluation for the development of Ichthys gas-condensate field. He has 10 years’ experience in the oil industry including seven years with JOGMEC and four years with INPEX.

mfujimoto@inpex.co.jp

KATE GODBER is a consultant with Mitre Geophysics Pty Ltd, and holds a BSc (Hons.) degree in geophysics from the University of Tasmania. Her geophysical expertise includes down-hole magnetometric resistivity (DHMMR), magnetics, gravity, down-hole electromagnetics, resistivity and induced polarisation. She has worked extensively in Tasmania, Broken Hill and North America, and has an eclectic interest in all matters pertaining to electrical geophysics with a particular expertise in down-hole geophysics. Current projects include geothermal power exploration in eastern Australia and even more DHMMR at Broken Hill. She is a member of the ASEG, SEG, and AIG.

kgodber@mitregeophysics.com

ADRIAN GOLDBERG works as an Exploration Geologist with InterOil Australia in Cairns Qld. His area of interest is the integrated interpretation of structural, potential field and seismic data. He has worked on a variety of basins and terranes in Australia, Africa and PNG. He is a member of ASEG, GSA and PESA.

adrian.goldberg@interoil.com

HOWARD GOLDEN earned his BA degree from the University of Utah and an MSc in Geophysics at Leeds University. His career spans 25 years in the exploration industry, including with Schlumberger, BHP Minerals, WMC Resources, and Western
ALEXEY GONCHAROV is a project leader of Basement and Crustal Studies at Petroleum and Marine Division, Geoscience Australia. Alexey holds a PhD degree in Geophysics awarded by the St Petersburg Mining Institute in Russia. In 1994 he came to Australia. Alexey’s main research projects in Australia were deep crustal studies of the Mount Isa Inlier, ocean-bottom seismograph studies at the Australian North West Margin (NWAM), integration of reflection and refraction/wide-angle seismic results at the NWAM, production and analysis of gravity and magnetic grids for the margin of the Australian Antarctic Territory.

alexey.goncharov@ga.gov.au

DANIEL GRAY is a geologist and the state gravity co-ordinator with the Mineral and Energy Resources Group, PIRSA.

daniel.gray@sa.gov.au

JONATHAN GRIFFIN has a graduate position at Geoscience Australia where his current project involves the use of wavelets to compare geomagnetic and climatic time series. He graduated from the University of Wollongong with a BSc (geology)/BMath in 2006 after completing an honours project involving sediment transport modelling. He is interested in mathematical applications to the earth sciences.

jonathan.griffin@ga.gov.au

MARCOS GROCHAU is studying for his PhD at Curtin University of Technology in Perth, Australia, focus on quantitative interpretation of time-lapse seismic data. He is a senior geophysicist and has been working as a technical consultant for Petrobras, the Brazilian national oil company. His area of interest is related to investigation of pressure and saturation effects in seismic data to calibrate 4D interpretation and improve reservoir characterisation.

m.grochau@postgrad.curtin.edu.au

BORIS GUREVICH is professor of Petroleum Geophysics at the Curtin University of Technology in Perth and Director of the Curtin Reservoir Geophysics Consortium (CRGC). He obtained an MSc from Moscow University (1981) and a PhD from the Institute of Geosystems (IOG) in Moscow in 1988. From 1981 until 1993 he worked at the IOG. He then worked at Karlsruhe University (1992–1993) and at Birkbeck College of London University (1993–1994). In 1995–2000 he was a research geophysicist at the Geophysical Institute of Israel. His research interests include petrophysics, theory of seismic/ acoustic wave propagation in rocks and other porous materials, and seismic imaging. He is a member of SEG, AGU and EAGE.

b.gurevich@curtin.edu.au

JACK HARFOUSHIAN is a Principal Reservoir Engineer for Schlumberger Data and Consulting Services in Australia. He provides data acquisition support and interpretation development for wireline formation testing and sampling, and also for production logging services. Jack joined Schlumberger in 1989 as a wireline field engineer and has held assignments in Europe, Africa, Australia and the Middle and Far East. Jack holds a Bachelor of Engineering degree from Curtin University, Australia, and a Master of Engineering degree in Reservoir Engineering from Heriot-Watt University in Scotland, UK.

harfoushian@perth.oilfield.slb.com

BRETT HARRIS works on the theoretical development and practical application of geophysical methods in hydrogeology, environmental engineering and mineral/coal/oil exploration. Particular areas of expertise include; electromagnetic methods, and the application/integration of seismic/radar/EM methods in hydrogeology. Brett is a Research Fellow at the Department of Exploration Geophysics, Curtin University of Technology. He completed his PhD in 2001 and has more than 15 years industry experience. He has been managing director of a private company with major projects requiring the reconstruction of large scale basin stratigraphy from surface and well logging techniques, throughout Asia, South America and Australia.

b.harris@curtin.edu.au

CHRISTOPHER HARRISON is a post grad geophysics student in the Exploration Geophysics Department at Curtin University of Technology. Chris obtained a Physics and Geophysics degrees at the University of Calgary in Alberta Canada in 1999 and 2001 respectively. He worked as a software developer and graphic designer specialising in wavelet applications for the CREWES Project (Consortium for Research in Elastic Wave Exploration Seismology) based out of the University of Calgary from 2000 to 2004. Looking to internationalise his education Chris applied to the MSc/PhD program with the Exploration Geophysics department at Curtin University of Technology in Perth Western Australia.

c.harrison1@postgrad.curtin.edu.au

NICHOLAS HARVEY has worked 20 years in the industry for a variety of companies. He has specialised in borehole image interpretation and petrophysics. His career started with Western Mining Corporation in Perth and continued with a consultancy group in London, Baker Atlas in Perth and in Nigeria. He has worked in the North Sea, Australasia, South East Asia, Middle East and West Africa on a variety of image and petrophysical projects. He moved back to Crocker Data Processing in 2003 where he manages ImageLog development in Petrolog.

nick@petrolog.net

DAVID HATCH obtained his MSc from University of Toronto in 1987 after completing a thesis on cross-borehole seismics. He then worked for Paterson, Grant & Watson for 10 years as a geophysical consultant with a 2 year project in Thailand as a technical expert. He moved to De Beers Consolidated Mines Limited in 1997 as a senior geophysicist. He currently holds the position Senior Technical Manager – Geophysics and has the global responsibility for the discipline for De Beers.

dave.hatch@debeersgroup.com

MICHAEL HATCH was the manager of Zonge Engineering until mid 2003, and is currently undertaking a PhD in geophysics at the University of Adelaide. He specialises in the use of geophysical techniques to characterise the in-river environment as well as the floodplain environment immediately adjacent to the river.

michael.hatch@adelaide.edu.au

PETER HATHERY joined CRC Mining and the University of Sydney in 2004 after 11 years in CSIRO, 10 years at ACIRL and 8 years with the NSW Geological Survey. He has been involved in many research projects involving the use of geophysics in coal mining. In Australia he has been involved with the introduction of in-seam seismic methods (1983), the radio imaging method...
Biographies

EUNJUNG HOLDEN

Born in Korea in 1986, 3D seismic surveying (1988) and microseismic monitoring (1993). His current interests include seismic methods, geotechnical evaluation from borehole logs and understanding the geological processes affecting coal and mineral deposits.

phatherly@geosci.usyd.edu.au

ROSEMARY HEGARTY

works on geophysical interpretation in the Geological Survey of NSW, based in Maitland. Her main focus is using regional aeromagnetic and gravity datasets for basement geology and structure, and she works on the New Frontiers program exploring areas of cover in north and northwestern NSW. She has completed a range of regional interpretation projects for NSW, Qld, WA, SA and Indonesia for the mineral exploration industry as a consultant – mainly carrying out structural geology studies and mapping related to Cu and Au target generation. She is interested in all developing methods of potential field interpretation and the assimilation of geological information.

rosemary.hegarty@dpi.nsw.gov.au

STEVE HELMORE

is currently leader of the Helix RDS specialist geophysics team based in Aberdeen Scotland. He graduated a long time ago with an engineering degree from Oxford and a geophysics degree from Durham, and worked initially as a field engineer with Schlumberger. Steve has worked in seismic processing service companies in Norway and the UK including GECO and READ Well Services. Since 1998 he has been a principal geophysicist with Helix RDS, with technical focus on petroacoustics, seismic attributes and seismic processing.

shelmore@helixesg.com

FRED HERKENHOFF

received BSc and MSc degrees in Geophysics from Stanford University in 1964 and 1966. His domestic and overseas assignments within Chevron have included 15 years in various R&D functions and 25 years in operational functions including that of Chief Geophysicist. He is a Senior Geophysical Advisor in Chevron's Energy Technology Company and a Chevron Fellow (Seismic Technology).

effe@chevron.com

EUNJUNG HOLDEN

is a research fellow at the Centre for Exploration Targeting (CET) within the school of Earth & Geographical Sciences At UWA. She received her PhD from UWA in 1997. She worked previously as a researcher within the School of Computer Science & Software Engineering on two ARC supported projects, focusing on automatic human motion recognition and motion visualisation. Since 2006, she has been working at CET on automatic processing of geoscientific images. Her research interests include computer vision and graphics, specifically, image feature representation and extraction and data visualisation.

eunjung@cylcene.uwa.edu.au

BAOHUA HUANG

received her BSc in geophysics from Daqing Petroleum University, and she obtained her MSc in physics from Jilin University. Her areas of interest are borehole geophysics, geophysical logging data processing and interpretation, especially, the processing and interpretation for cross-dipole acoustic logging. She has been involved extensively in complex reservoir evaluation, formation damage evaluation projects, supported by CNPC and Daqing Oilfield. Currently, she is working with Daqing Well logging Company as a senior logging interpretation engineer. She is a member of the Chinese Geophysical Society and a member of Chinese Well Logging Society.

huangbb200606@163.com

HAK SOO HWANG

works as a senior researcher in the Korea Institute of Geoscience and Mineral Resources (KIGAM), Korea.

He obtained a BSc in Physics in 1984 and an MSc in Geology in 1988. He got a PhD in Geophysics of Macquarie University, Sydney in 1995. He is interested in EM inversion and signal processing for improving EM data quality.

hhsid@kigam.re.kr

RICHARD (DICK) IRVINE

graduated from Sydney University in 1964 with a BSc, followed by an MSc in Geophysics from the University of London (UK) in 1968. He joined BHP Minerals in 1978 and spent 21 years with them as a geophysicist, initially working in Australia but later in SE Asia, China, India, Pakistan and South Africa in a wide variety of exploration programs. He is now Vice President of Condor Consulting, Inc. in Denver USA, a consulting group that specialises in airborne EM processing and interpretation.

dick@condorconsult.com

KEVIN JARVIS

is a Regional Principal Geoscientist with Fugro-Jason Australia Pty Ltd. His career in geophysics started with a BSc at the University of Saskatchewan followed by six years in the Canadian oil patch (with Chevron Canada Resources.) Kevin completed his PhD at the University of British Columbia specialising in seismic inversion and rock physics and spent five years as a consultant geophysicist in Vancouver before coming to Australia in 2002 to further his interest in seismic inversion with Fugro-Jason.

kj Jarvis@fugro-jason.com

TONY JOHNS

works as a Senior Area Geophysicist for WesternGeco in Houston, Texas, USA, specialising for the last 10 years in the development of Multicomponent seismic data analysis, in particular converted wave (PS) processing. Graduating in 1977 with a BSc (Hons) degree in Mathematics and Physics from East Anglia University in England, Tony has since accumulated 30 years worldwide experience in the processing of Marine and Land seismic data with the last 12 years based in Houston. Starting his career with Seismograph Service Ltd, the company later merged with Geco-Prakla before becoming WesternGeco in 2000.

johns5@slb.com

JOHN JOSEPH

works as a CRC LEME funded Senior Lecturer in Exploration Geophysics at School of Earth & Environmental Sciences, University of Adelaide. He obtained First Class BSc and MSc degrees from India and a DSc from University of Tokyo, Japan. Later he served as a NEDO Researcher at the Geological Survey of Japan, as a Post Doctoral Fellow at Tokai University and as a JSPS Fellow at Institute of Geosciences, AIST, Tsukuba, Japan. His fields of interest are airborne geophysics, especially airborne gravity and AEM as well as ground EM and electrical methods.

john. joseph@adelaide.edu.au

ANDY KASS

is a doctoral candidate in Geophysics at the Colorado School of Mines. Currently, his research focuses on effective basin-scale groundwater characterisation utilising multidisciplinary geophysical methods. In addition, he is studying rapid inversion techniques for gravity gradiometry as well as time-lapse transient electromagnetics in groundwater applications. Andy is assisted in his work by Nichole, his fiancée. He received his BSc in Geophysical Engineering from the Colorado School of Mines in Golden, Colorado in 2005.

mkass@mines.edu

MYRA KEEP

is an Associate Professor at The University of Western Australia, specialising in structural geology, basin tectonics and neotectonics. Since 1997 she has worked mainly on the Negoene to Recent tectonic history of the North West Shelf of Western Australia, specialising in structural geology, basin tectonics and neotectonics. Since 1997 she has worked mainly on the Negoene to Recent tectonic history of the North West Shelf of
Australia, and since 2003 has also been working extensively in East Timor, which is the only exposure of the Northwest Shelf. Her interest in neotectonics stems from the seismic evidence of recent, surface-breaching faults along the Northwest Shelf, which reflect significant historical onshore seismicity. Myra is a member of PESA, AAPG, AGU and GSA and is also a Chartered Geologist.

RICHARD KEMPTON works as a Research Scientist with the Fluid History Analysis Group at CSIRO Petroleum, in Perth. His area of interest is the charge history of petroleum reservoirs using innovative fluid inclusion techniques. He is currently developing technology for calibrated prediction of hydrocarbon fluid type in frontier basins of Australia and has been involved in commercial application of patented technologies to the oil and gas sector.

ALAN KING is the manager for operations and strategy in the Geosciences Resource Group in ATD. This includes responsibility for the Spectrum AEM system and deployment of high-resolution geophysics. One of the principal initiatives is the use of Borehole Radar on underground mines to map geology ahead of mining. Alan graduated with BSc (Hons., Geology) from the University of the Witwatersrand. After a long stint with Anglo American he moved to Phelps Dodge in 1990, subsequently joined the Lundin Group as Exploration Manager in 1996 and finally returned to Anglo in his current role in 2000.

BRODIE KLUE is a graduate student of the School of Geography, Geology and Environmental Science at the University of Auckland, New Zealand. He is in his final year of a Masters Thesis in Geophysics.

RICHARD A. KRAHENBUHL obtained his BSc in Geophysics from the University of California, Santa Barbara and got his PhD in Geophysics from the Colorado School of Mines. He is working as a Post-doctoral Fellow at the Center for Gravity, Electrical and Magnetic Studies at the Colorado School of Mines. His research interests include resource exploration, processing and inversion, UXO applications, and groundwater studies.

BALAKRISHNAN KUNJAN works with AWE in Sydney as a Senior Geophysicist. He has 28 years experience in the industry. He started his career with Exxon in Malaysia and has since worked with various companies in Australia and in India. Much of his work has been in detailed mapping for appraisal and development drilling in basins including the Cooper/Eromanga, Carnarvon, Krishna-Godavari (India) and the Taranaki (New Zealand).

RICHARD LACHAPELLE works as an Applications Geophysicist and an International Sales Manager at Scintrex Limited in Toronto, Canada. He has an undergraduate degree in Physics from the Université de Sherbrooke, obtained in 1984 and an undergraduate degree in Geological Engineering with a major in Geophysics from École Polytechnique de Montréal obtained in 1987. Richard’s main interests in Geophysics are induced polarisation, gravity and magnetic.

RICHARD LANE worked in both mineral exploration and airborne geophysics service provider organisations before joining Geoscience Australia in 2001 where he is a Senior Geophysicist in the Onshore Energy & Minerals Division. His present activities include development of methodologies and tools for 3D geological mapping, and ensuring that these approaches are linked to geophysical modelling capabilities.

JAMES LEVEN is Director of GeoSeis Pty Ltd. He completed a doctorate in theoretical seismology at ANU in 1981, and was subsequently awarded a Fulbright Fellowship. He is a Fellow of the Society for Underwater Technology, and his particular area of interest is ocean-bottom seismic technology.

YUSEN LEY-COOPER did his PhD at Monash University, on Airborne Electromagnetics applied to environmental geophysics. His previous studies as a geophysical engineer where undertaken at Universidad Nacional Autónoma de México and is working with professor James Macnae, as a Postdoctoral Fellow at RMIT University.

VANESSA LIM has recently joined Woodside Energy Ltd as a Petrophysicist. She is responsible for the operational petrophysics of the Northwest Shelf. Before joining Woodside, Vanessa had 8 years experience as a petrophysicist with Oil Search Ltd and evaluated fields in Papua New Guinea and Yemen. Her experience ranges from formation evaluation of clastic reservoirs to carbonate reservoirs and fractured basement. Vanessa holds an Honours degree in Geology/Geophysics from the University of Sydney, and a Degree in Accounting from the University of Singapore.

CORINNE LOCKE is an Associate Professor in Geophysics in the School of Geography, Geology and Environmental Science at The University of Auckland, New Zealand. She specialises in gravity and magnetic methods, particularly their application to the investigation of epithermal deposits and the structure and eruptive history of volcanoes.

ANDREW LONG has been employed by PGS since 1997, having previously been educated to PhD level, and employed in various industry and academic areas over ten years. He was variously responsible for all geophysical support throughout the Asia-Pacific region, and for global technical marketing in PGS. His main interests are seismic modelling, seismic survey design, seismic imaging, seismic technology development and optimisation, and rock physics. He is a member of SEG, EAGE, ASEG, PESA and SEAPEX.

AMIE LUCIER is finishing her PhD in Geophysics at Stanford University. She is a research assistant in the Stress and Crustal Mechanics Group investigating geomechanical questions related to CO2 sequestration, mining, and the petroleum industry. She received her MSc (2004) in Geophysics from Stanford University and her BSc (2002) in Geology from Washington and Lee University. Upon the completion of her PhD, she will be joining Shell Oil Company.

YUSEN LEY-COOPER did his PhD at Monash University, on Airborne Electromagnetics applied to environmental geophysics. His previous studies as a geophysical engineer where undertaken at Universidad Nacional Autónoma de México and is working with professor James Macnae, as a Postdoctoral Fellow at RMIT University.

MU LUO works as a Senior Research Geophysicist with JGI, Inc. Tokyo, Japan. His area of interest is advanced seismic applications including improved fracture determination and subsurface imaging. He has been involved extensively in ongoing development of seismic fracture detection techniques under the supports of JSPS fellowship and TRC/JOGMEC research projects.
IAN MACLEOD has been active in various capacities of resource exploration since 1976. His early career was spent with Paterson, Grant and Watson Ltd where he was involved in geophysical survey work, geophysical consulting, data interpretation and exploration software development. In 1986 he co-founded Geosoft Inc. to develop earth science computer applications and he is currently chief technologist. His current interests focus on empowering earth explorers through the application of server-based technologies to create a natural data experience.
ian.macleod@geosoft.com

JAMES MACNAE is an authority on Electromagnetics and Induced Polarisation, in particular airborne methods. His interests cover mineral exploration, in particular sulphides and kimberlites; environmental geophysics with projects relevant to salinity cover mineral exploration, in particular sulphides and kimberlites; Induced Polarisation, in particular airborne methods. His interests is an authority on Electromagnetics and JAMES MACNAE based technologies to create a natural data experience.
empowering earth explorers through the application of server-
currently chief technologist. His current interests focus on
exploration software development. In 1986 he co-founded Geosoft
survey work, geophysical consulting, data interpretation and
problems of validation of mixture models for fractured and porous
modelling of properties of rocks. She has previously been
involved in application of Finite-Element simulations to the
models and models of the effect of clay on the properties of sandstones.

DINA MAKARYNSKA is a PhD student at the Department of Exploration Geophysics, Curtin University of Technology in Perth. Her area of interests is rock physics, poroelasticity, numerical modelling of properties of rocks. She has previously been involved in application of Finite-Element simulations to the problems of validation of mixture models for fractured and porous rocks, velocity-porosity models and models of the effect of clay on the properties of sandstones.
dina.makarynska@geophy.curtin.edu.au

ADRIAN MANESCU is Staff Petrophysicist with Baker Atlas in Perth Australia. Before joining Baker Atlas in 1997 he worked for 5 years with Petrom, Romanian Oil Company. He earned his degree from University of Bucharest. His major petrophysical interests include borehole acoustic, resistivity anisotropy and nuclear magnetic resonance. He is member SEG, SPWLA (and local chapter FESWA).
adrian.i.manescu@bakerhughes.com

HOUSHANG MANSOURI currently works as a seismic data analyst at OEOC Processing Center. He did his PhD in Institute of Petroleum Engineering, Heriot-Watt University, Edinburgh, UK. His area of interest includes: seismic anisotropy, multicomponent and time-lapse seismic, AVO, AVAZ and reservoir geomechanical compaction.
h.mansouri@nioc.org

JENNIFER MARKET is the global acoustics expert for Halliburton/Sperry Drilling Services. She is involved in tool and application development and log interpretation.
jennifer.market@halliburton.com

ERIC MATTHEWS currently manages AWE’s New Zealand exploration activities. He is a petroleum geologist with over 20 years experience in oil exploration primarily in Australia and New Zealand, having worked for Shell, New Zealand Oil and Gas and Pan Pacific Petroleum. He has been instrumental in a number of discoveries, notably Kupe, Ngatoro and more recently, the Tui oil discovery.
emathews@awexp.com.au

ALAN MAUGER graduated with honours in geology from the University of Western Australia in 1979, a master of applied science in remote sensing from the University of New South Wales in 1986 and a doctorate in geoinformatics from the University of South Australia in 2000. He joined PIRSA in 1993 and as team leader of the CRCLEME project ‘Mineral Mapping SA’ undertakes significant research into mineral mapping through spectral geology applied to South Australian deposits.
mauger.alan@sa.gov.au

TERRY MCCONNELL obtained a BSc (Honours Geophysics) from the University of Toronto in 1983 and is an airline transport rated pilot. Terry has twenty four years in the airborne geophysical survey business working as a geophysicist and survey pilot, with operational experience worldwide. He has held senior management positions; include running companies in Canada, the United States and Australia. Currently, Terry is the Managing Director of Fugro Airborne Surveys and Fugro Ground Geophysics in Perth, Australia.
tmcconnell@fugroairborne.com.au

PHIL MCINERNEY is a geophysicist with 30 years experience in the Australian mineral exploration industry. Since 2001 he has been with Melbourne-based Intrepid Geophysics, geo-science consultants, software developers and authors of the Intrepid geophysical data processing software. In a recent development, Intrepid have entered into an agreement with the BRGM to commercialise and further develop the 3D GeoModeller Software. Over the last three years Philip has mainly been working on the GeoModeller project.
phil@intrepid-geophysics.com

KATHLEEN MCMAHON is completing a PhD in Geophysics at Macquarie University, Sydney. She graduated from Macquarie University in 2003 with a Bachelor of Technology (Exploration Geophysics, Hons), receiving a First Class honours for her research thesis on the seismic investigation of meteoric and marine ice at a site on the Amery Ice Shelf (AIS), East Antarctica. Since then she has completed another two seasons of fieldwork in Antarctica to collect data for her PhD, a continuation of her seismic investigation of the ice and water properties of the AIS.
kmcmahon@els.mq.edu.au

SALAH MEHANE received his MSc (1994) and PhD (2003) in Geophysics from Cairo University, Egypt and the University of Utah, USA, respectively. He is a lecturer at the Department of Geophysics, Faculty of Science, Cairo University, Egypt. As of June 2006, he is on a research leave from Cairo University, and currently is a Research Fellow at the Department of Mathematics, Macquarie University, Australia. His research interests include multi-dimensional geophysical data modelling and inversion, especially electromagnetic.
smehane@ics.mq.edu.au

TONY MEIXNER graduated in 1995 from the Australian National University with a BSc (Hons) in Geophysics. He joined Geoscience Australia in 1996 as a potential field geophysicist. Since that time he has been involved primarily in the processing and interpretation of geophysical data in a number of regional projects. More recently he has been involved in the interpretation of onshore seismic and its integration and 3D visualisation with potential field and geological data.
tony.meixner@ga.gov.au
Biographies

ADRIAN MERRY is a senior geophysicist at Helix RDS in Aberdeen, Scotland. He graduated in 1995 with a degree in Petroleum Geophysics from Imperial College, London, and initially worked as an offshore QC geophysicist. In 1998 he joined CGG as a seismic data processor. In 2000 he transferred to the 4D seismic processing centre in BP Aberdeen, where he was involved in analysis of 4D seismic data, and in research and development of 4D seismic algorithms and workflows. Adrian joined Helix in 2005 and has a technical focus on PetroAcoustic studies for 3D and 4D reservoir characterisation and seismic processing. amerry@helixeseg.com

ALAN MEULENBROEK graduated from the University of Queensland in 2006, with 1st Class Hons in Geophysics (BSc App.). His role at Velseis combines field operations and R&D, with current research focusing on multicomponent seismology. He is enrolled in the MPhil at the University of Queensland. alanm@velseis.com

MIKE MIDDLETON is employed by BPC Ltd as Vice-President in charge of Australasian exploration. Since 1979 he has worked for CSIRO, ECL, GSWA, the Nordic Energy Research Program and Curtin University. mm@bpcclidgroup.com

PETER MILLIGAN works as a Senior Geophysicist at Geoscience Australia. Present research is focussed on improving the intermediate wavelengths of the Australian Digital Magnetic Anomaly Map and developing new products from the Magnetic Anomaly Grid Database of Australia. Peter graduated from The Flinders University of South Australia with BSc (Honours) and PhD degrees in science and a Dip. Ed. After some high school teaching, he joined Geoscience Australia (then the Bureau of Mineral Resources, Geology and Geophysics) in 1985, initially with the Geomagnetism and Airborne Geophysics groups, and is now part of the Continental Geophysics Project within the Onshore Energy and Minerals Division. peter.milligan@ga.gov.au

BRIAN MINTY received a BSc (1976) from Rhodes University, a BSc (Hons) (1977) in geophysics from the University of the Witwatersrand, an MSc (1982) in exploration geophysics from the University of Pretoria, and a PhD (1997) from the Australian National University. He worked for the Geological Survey of South Africa for 5 years before immigrating to Australia in 1982 to join Hunting Geology and Geophysics Ltd. He is now a Principal Research Scientist with Geoscience Australia in Canberra, Australia. His research interests relate mainly to the acquisition, processing and interpretation of airborne magnetic and gamma-ray spectrometric data. brian.minty@ga.gov.au

HENRY MORRIS is the Lead Geophysicist for Ikon Science Services, working on quantitative seismic interpretation, predominantly in the North Sea. He graduated in Exploration Geology (BSc Honours) at Cardiff University, followed by Petroleum Geoscience (MSc) at Imperial College, London. His current role is focussed on exploration, development and production of hydrocarbons, in particular AVO analysis, inversion, the fundamentals of rock-physics and their use in quantitative interpretation. hmorris@ikonscience.com

TIM MUNDAY is a principal research scientist with the CSIRO. Currently working in the Better Basin Futures Project of the CSIRO Water for Healthy Country Flagship, he is contributing to CRCLEME’s Salinity Program, through research concerning procedures and protocols for incorporating geophysical technologies in environmental management. Recently he has been working on the application of AEM in the management and protection of the Murray River floodplain ecosystems but has wider interests covering the role of hydrogeophysics in water resource development. tim.munday@csiro.au

COLM MURPHY is a Senior Geoscientist with Bell Geospace promoting FTG technology applications and interpretation services. He holds a BSc in Geology and PhD in Geophysics from the National University of Ireland and has over 12 years experience in the minerals and hydrocarbons exploration industries. He previously worked for the Geological Survey of Canada and World Geoscience Corporation. cmurphy@bellegeo.com

DOUG MURRAY is a principal petrophysicist with Schlumberger in Beijing, China. Since joining Schlumberger in 1982, he has had a variety of experience; first as a wireline field engineer in Canada and Algeria, and then as a log analyst and log interpretation center manager in Nigeria, Saudi Arabia, Trinidad and Tobago, and Argentina. He then became involved with new sonic interpretation methodologies and answer products, as well as hydrate formation evaluation at the Schlumberger Engineering Centre in Fuchinobe, Japan. He has a BSc in Electrical Engineering from Lakehead University, Canada and an MA from Hull University, England. dmurray@beijing.oilfield.slb.com

BOB MUSGRAVE has interests spanning potential fields, magnetic petrophysics and palaeomagnetism. His research has found application in tectonics, geomagnetism, gas hydrates, landscape evolution and gold exploration. His peripatetic post-doctoral career took him to Wellington, Canberra and Hobart, before a stint in Texas with the Ocean Drilling Program. After a decade at La Trobe’s former Earth Sciences Department, he is now a senior geophysicist with the NSW Geological Survey, specialising in modelling, enhancement and tectonic interpretation of potential field surveys. In his spare time, with his wife, Marta Vega, he maintains the PALM magnetic petrophysics laboratory at the University of Newcastle. robert.musgrave@dpi.nsw.gov.au

JUNITA TRIVIANTY MUSU received her BSc in geological engineering in 1992 from the University of Trisakti, Jakarta, Indonesia. She joined ‘LEMIGAS’ an R and D for Oil and Gas Technology in 1993. After a stint working for ‘LEMIGAS’, she took her Master’s degree at the National Centre of Petroleum Geology and Geophysics (NCPGG), the University of Adelaide, Australia, working on the diagenesis of the Tirrawarra Sandstone and its influence towards NMR measurements. She currently works for ‘LEMIGAS’ managing the SEM and XRD laboratory. Her interests include formation evaluation, sedimentology, petrography, SEM and XRD. jmusu@lemigas-core.com

DARIUSH NADRI is a PhD student at Department of Exploration Geophysics, Curtin University of Technology. He has been working in the National Iranian Oil Company for three years mainly in Seismic Inversion and AVO Modelling before starting his PhD in 2004. He is interested in Stochastic and Deterministic Seismic Inversion. dariush.nadri@student.curtin.edu.au

YOSHITAKA NARA completed his doctorate in March 2004 at the Hokkaido University in Japan. The title of the PhD thesis is
Biographies

Subcritical crack growth in rock. He has worked as a Postdoctoral Research Fellow in the Graduate School of Engineering, Hokkaido University.
nara@eng.hokudai.ac.jp

BEHZAD NAZARI is the Head of the OEOC Processing Center. He has a Bachelor and a Masters degree in Geology, a Masters degree in Geophysics. He is currently studying towards a PhD in Geophysics. His area of interest includes: seismic data acquisition, processing and interpretation, reservoir simulation and AVO.
b.nazari@oec.or

PETER NICHOLLS is the Exploration Manager of Gippsland Offshore Petroleum with over 25 years experience in the oil and gas industry. He worked with BHP Petroleum, then as a consultant to a number of small to mid-sized Australian companies before joining Gippsland Offshore Petroleum in 2005. He has experience and exploration success in many basins within Australia and around the world, from mature areas such as the Gulf of Mexico and the Gippsland Basin to frontier basins like the Walton Basin.
peter.nicholls@gop.com.au

SHASTRI L NIMMAGADDA is a senior geophysicist with Wafra Joint Operations Petroleum Company in Kuwait. He worked for several petroleum companies in India, Australia and Uganda. He obtained an MTech and a PhD in Exploration Geophysics from IIT, Kharagpur, India. He obtained Master of Information Technology with distinction from Curtin University of Technology, Australia. Shastri is interested in seismic geophysics. His recent contributions include knowledge mapping and exploration data integration through ontology-base data warehouse. He presented and published more than 30 research and technical papers and is a member of AAPG, SEG, ASEG, SPE, AEG and IGU.
shastri@efel.com

CHRIS NIND obtained a BSc, Mathematics, from Queen’s University in Canada and joined Geoterrex Ltd as a geophysicist in 1977. At Geoterrex, he worked in the ground, processing and airborne departments. From 1990 to 1994, he managed Geoterrex’ airborne geophysics department in Australia. In 1994, he moved to Dighem Surveys in Toronto. From 2000 to 2004, he was the Regional Manager, Americas, for Fugro Airborne Surveys. In mid-2004, he joined LaCoste & Romberg-Scintrex as President & CEO. His background includes many gravity surveys using L&R Model G gravimeters. His interest in gravity continues at Scintrex, which builds the CG-5 gravimeter.
cnind@scintrex.com

DOUGLAS OLDENBURG is a professor at University of British Columbia and also Director of the UBC Geophysical Inversion Facility and holder of the TeckCominco Senior Keevil Chair in Mineral Exploration. He is an honorary member of the SEG and CSEG. Doug’s thirty-year research career has focused on the development of inversion methodologies and their application in exploration, environmental and geotechnical problems.
doug@eos.ubc.ca

BJORN OLOFSSON works as a Research Geophysicist for CGGVeritas in their Bergen office, Norway. His main area of interest is seismic multicomponent processing and acquisition. He has been extensively involved in seismic operations, data processing, software development and geophysical research.
bjorn.olofsson@cggveritas.com

DERECKE PALMER is a Senior Visiting Fellow at UNSW. From 1967 to 1992, he was a geophysicist by the Geological Survey of New South Wales, and from 1992 to 2005, he was a Senior Lecturer in Geophysics at UNSW. He is best known for his work on shallow seismic refraction methods. In 1992, he was presented with the Grahame Sands Award for Innovation in Applied Geoscience by the ASEG, and in 1995, he was presented with the Reginald Fessenden Award by the SEG, for the GRM. In 2005, he was part of the Distinguished Lecturer Program of the EAGE.
d.palmer@unsw.edu.au

YEONG-SUE P ARK received an MSc (1979) and a PhD (1986) in geophysics from Seoul National University. Since 1979 he has been with Korea Institute of Geoscience and Mineral Resources (KIGAM) where he is now principal research geophysicist. His area of interest has always been gravity and magnetics. He initiated the national aeromagnetic mapping project, and joined in international compilation programs. He also has a wide range of experiences in resources exploration, such as coal, uranium and groundwater. His current interest focuses on the microgravity for engineering and environmental applications. He is a member of KSEG and SEG.
yspark@kigam.re.kr

WAYNE PENNINGTON has received degrees in Geophysics and Geology from Princeton University, Cornell University, the University of Wisconsin-Madison, and has been on the faculty at the University of Texas at Austin and at Michigan Technological University, where he is now the Chair of the Department of Geological and Mining Engineering and Sciences. He spent nine years in industry, with Marathon Oil Company’s research and technology centre near Denver. He is the author of a number of scientific papers, and the co-author of one book. His research activities involve relating seismic observations to rock properties through well-log studies and rock physics.
wayne@mtu.edu

MARINA PERVUKHINA works as a Shale Properties Geophysicist in the Optimising Reservoir Definition & Performance Stream of CSIRO Petroleum, Perth. Her area of interest is theoretical and numerical modelling of elastic and electrical properties of rocks.
marina.pervukhina@csiro.au

PETER PETKOVIC graduated with BSc in geology, physics and mathematics from the Australian National University in 1971. He is currently a geophysicist with the Petroleum and Marine Division of Geoscience Australia, where he is involved in processing and modelling of bathymetry, potential field and refraction data for crustal-scale problems, and software development.
peter.petkovici@ga.gov.au

NGOC SON PHAM completed his Bachelor of Engineering in Petroleum Geology in Ho Chi Minh City University of Technology, Vietnam in 2005. Then he worked for the Japan Vietnam Petroleum Company as a Junior Reservoir Engineer before travelling to Australia to study a Master’s degree by research in Petroleum Engineering. Ngoc Son Pham is a member of SPE.
spham@asp.adelaide.edu.au

NIGEL PHILLIPS works as a Senior Geoscientist with the Mira Geoscience Advanced Geophysical Interpretation Centre in Vancouver, Canada. He specialises in integrated solutions to mineral exploration challenges through the use of three-dimensional geological model building, physical properties and geophysical inversions. He has been involved in the development of applied exploration techniques for over ten years in the minerals industry for major companies, in academia, and more recently as a consultant.
nigelp@mirageoscience.com
SEAN PHILLIPS is an exploration geophysics graduate who is currently an honours student at Curtin University of Technology within the ARRC Department. He is interested in global tectonic concepts and electrical methods in applied geophysics. sean.phillips@student.curtin.edu.au

ANTONIO PICA is a Senior Research Geophysicist with CGGVeritas. In 1985 he joined CGG at processing R&D, working in areas like DMO, Anti-Multiples, 3D PSTM, 3D PSDM, signal processing. In 1988 he obtained a PhD from Université Paris 7 (IPGP), with Albert Tarantola. The research topic was: Nonlinear waveform inversion of seismic reflection data: application to real offset data. From 2002 he has been the 3D SMA project leader. antonio.pica@cggveritas.com

GABRIELLA PRACILIO is an environmental scientist whose interests include natural resource management, spatial analysis and the application of geophysical data. She completed a PhD earlier this year in The utilisation of gamma ray spectrometry, a soil mapping tool, for improving dryland crop production at the University of Western Australia. Her work experience has spanned across the industries of viticulture, farm forestry, broad-acre agriculture, rice production and salinity management, in the diverse terrains across Australia and Cambodia. She graduated at Murdoch University in 1997 with a Bachelor of Environmental Science. todd.gabby@iinet.net.au

EDWIN QUINT has an MSc and PhD in Nuclear Physics from the University of Amsterdam. In 1988 he joined Shell Research in The Netherlands. He worked in the Middle East, UK and US in both development and exploration positions. His current assignment is with Shell Development Australia as subsurface teamleader. edwin.quint@shell.com

ART RAIACHE originated and, for the past 27 years, directed eight AMIRA P223 EM modelling and inversion projects, aimed at improving industry capability to plan and interpret surveys. He was awarded the ASEG gold medal in 2006. Over the past 45 years he has collected salaries from the US aerospace-defence industry, Caltex, and CSIRO. He has a PhD in theoretical nuclear physics. His current major interests are flute performance, classical Greek and Dobermanns.

SHANTI RAJAGOPALAN is a consultant geophysicist currently working for BHP Billiton on the analysis and interpretation of Falcon™ airborne gravity gradient data. Shanti’s expertise lies in the application of potential field data to mineral exploration and geological mapping. In her present job, she extends her knowledge of the magnetic method to gravity gradient data. She has worked in academia, for government agencies and exploration companies. Her research interests include rock magnetism and potential field interpretation methodology. She is a past Editor of Exploration Geophysics and a past Associate Editor of Geophysics. Shanti is a member of the SEG and the ASEG.

SHIVARAMAN RAMASWAMY is an engineering graduate in Computer Science from SRM University. He spent a part of his curriculum in Carnegie Mellon University, USA. He has been an acclaimed researcher in the field of nanotechnology giving an invited talk at the NanoTechINsight, 2007 and has also been a Junior Research fellow at BARC. His major works are in CNT reinforced bricks (nanotechnology) and Robotics. He has also worked in areas of Brain Computer Interfacing and Nuclear Physics. shiva@cse.srmuniv.ac.in

ANYA READING has recently joined the University of Tasmania/ARC Centre of Excellence in Ore Deposits (CODES) as a Senior Lecturer. Previously a Fellow at the Research School of Earth Sciences, Australian National University, she specialises in finding the structure of the crust and uppermost mantle, by geophysical means, in remote and challenging environments. Current field projects include a seismic investigation of the Capricorn orogen in West Australia. Anya also applies computational geophysics to improving inverse methods in geophysics and data inference in quantitative geological problems and develops innovative field and computational techniques in applied and environmental geophysics. anya.reading@utas.edu.au

JAMES REID holds BSc (Hons) and MSc degrees in geophysics from the University of Sydney and a PhD in geophysics from Macquarie University. From 1999 to 2006 he was a lecturer in geophysics at the University of Tasmania. He is currently a Senior Geophysicist with Geoforce Pty. Ltd. in Perth, Western Australia. His main technical interests are application of electrical and electromagnetic methods to mining and environmental problems, with a particular focus on airborne electromagnetic methods. james@geoforce.com.au

M. REZA REZAAE has been a Research Fellow at the NCPGG, an Associate Professor at the University of Tehran and a Research Fellow at Oklahoma University. In 2006, he joined the Department of Petroleum Engineering at Curtin as an Associate Professor. He has won several research grants and contracts from oil companies and R&D groups, and has supervised over 50 postgraduate students to date. He has published more than 90 papers and is the author of 3 books on petroleum geology, logging and the use of computers in geology. Reza has a BSc from Mashad University, an MSc from Sadra University and a PhD from The University of Adelaide.

MURRAY RICHARDSON leads the Continental Geophysics project at Geoscience Australia. He has worked at GA since 1986 where his principal interests have been in airborne geophysical survey data acquisition, processing, archiving and delivery. murray.richardson@ga.gov.au

HYOUNGRAE RIM obtained an MSc (1998) and PhD (2005) in geophysics at the Seoul National University. Since 2002 he has worked at the Korea Institute of Geoscience and Mineral Resources where he is now a senior researcher in geophysics. He is interested in potential field data from the micro to the global scale. At micro-scale he has applied microgravity to detect cavities. At regional scale, he has carried out airborne magnetic and land gravity mapping on Korea. And he has used satellite gravity data at global scale. Currently his interest focuses on joint interpretation between potential data and other geophysical data. He is a member of KSEG, SEG and EAGE.

MICHAEL ROACH teaches geophysics at the University of Tasmania and is an active researcher in the ARC Centre of Excellence in Ore Deposits (CODES). He has a diverse range of interests and works with most geophysical methods but specialises in geological interpretation of potential field data and petrophysical measurements.

DAVID ROBSON is Chief Geophysicist with the NSW Department of Primary Industries Geological Survey of New South Wales. He and his team of geophysicists are responsible for
applying geophysical techniques and data to better understand the geology of NSW and to enhance exploration opportunities within the state. Over the past 13 years, David has been responsible for the acquisition of over two million line kilometres of high-resolution airborne and ground geophysical data. Prior to joining the Geological Survey, David was involved in mineral exploration throughout Australasia with Western Mining Corporation and regional mapping in northern Australia with Geoscience Australia. david.robson@dpi.nsw.gov.au

JEFF ROCHE graduated from the Royal Melbourne Institute of Technology in 1979 BSc (BAppGeol). He joined AOD before joining Esso Australia and later Home Oil, working on various E&P and petrophysical projects. He worked as a consultant FE/petrophysicist on a number of North Sea projects based out of London, Aberdeen, Stavanger and Oslo for Lasmo, Saga, StatOil and Norsk Hydro. After returning to Australia, Jeff joined Chevron as a consultant petrophysicist, evaluating oil and gas assets including Barrow Is, Gt Gorgon, Deep Water Carnarvon and PNG, including gazettal and equity re-determination projects. Jeff currently provides petrophysical reservoir model support to Deepwater Development. Jeff is a member of SPWLA and PESA and is currently FESAus President and SPWLA.

ANDREAS ROMPEL has been with Anglo American since 1988 where he worked on mines and exploration for several commodities world-wide. Andy currently holds the position of Manager Geology & Geophysics in the Anglo Technical Division in Johannesburg, South Africa. He has been extensively involved in the integration and interpretation of geophysical and remote sensing data for Anglo Platinum. He has a PhD in structural geology on the Tectonic History of the Welkom Goldfield in South Africa. arompel@angloamerican.co.za

ANDREW ROSS works geoscientist at CSIRO Petroleum. He is project leader for the nanochannel sensors for hydrocarbon exploration project being run through the CSIRO Wealth from Oceans Flagship program. His background is in petroleum geochemistry in which he gained MSc and PhD qualifications in from the University of Newcastle-upon-Tyne in the UK. His BSc qualifications are in Marine Biology and Oceanography obtained from the Bangor University North Wales.

DANIEL SATTEL has been working as an independent consulting geophysicist in Golden, Colorado since 2004. He received his Vordiplom from the Universitaet Karlsruhe, Germany in 1986 and an MSc from Oregon State University, U.S.A. in 1990, working on the interpretation of seismic refraction data. He holds a PhD in geophysics from Macquarie University, where he specialised in electromagnetics. He worked for World Geoscience/Fugro Airborne Surveys in Perth from 1996 to 2004, where he was involved in the development of EM software and the interpretation of airborne EM data.

dattel@earthlink.net

MATTHEW SAUL is completing Honours in Geophysics at Curtin University of Technology. This paper derives from his Honours thesis, after which he hopes to pursue a career in the oil and gas industry.

matthew.saul@student.curtin.edu.au

PHILLIP SCHMIDT obtained his PhD (ANU) in 1976 studying magnetic properties of rocks and their palaeomagnetism. After a post-doctoral position in Ottawa with the Earth Physics Branch of the Dominion Observatory he returned to Australia in 1978 to take up a position with CSIRO Mineral Physics. Since then he has collaborated with colleagues in research organisations and industry on many magnetic exploration projects by providing expertise on magnetic properties, developing instruments and software tools for interpretation. He is a Senior Principal Research Scientist, recently seconded to CSIRO Industrial Physics and now back with CSIRO Exploration & Mining.

phil.schmidt@csiro.au

CHRISTOPHER SEMENIUK is completing his Honours degree in Exploration Geophysics at Curtin University of Technology, Perth, Western Australia and his Honours thesis forms the basis of this paper. After the completion of his degree he hopes to work in the oil industry as a geophysicist.

christopher_semeniuk@iinet.net.au

SYED M. SHABIH is working with LMKR as a Research Geophysicist (Software Testing Analyst) on Landmark’s leading Seismic Interpretation Technologies like SeisWorks, PowerView & PowerCalculator. He is also heading the department as a Project Manager. He joined LMKR in 2001. Before this, he also worked for Lasmo Oil Pakistan Ltd. (Now ENI Pakistan) as a trainee geophysicist, and for PAIGE Ltd. as a trainee geologist. Shabih holds a Master’s degree in Geophysics from Quaid-i-Azam University, Islamabad. He also remained associated with the Department of Earth & Environmental Sciences, Bahria University, Islamabad as a visiting faculty member.

mshabih@lmkr.com

DON SHERLOCK works at CSIRO Petroleum where he is part of the Otway Basin Pilot Project’s monitoring team for the CO2CRC. He received his geophysics PhD from Curtin University in 2000 after doing a BSc in geology at UWA. Since joining CSIRO he has worked on a range of projects including the development of synthetic sandstones for rock physics research, physical modelling, CO2 sequestration and 4D seismic.

don.sherlock@csiro.au

JOVAN SILIC is a director and principal consulting geophysicist with Jovan Silic and Associates Pty Ltd and a member of Flagstaff GeoConsultants. He graduated with a Bachelor of Science (Honours) at TheUniversity of Western Australia, was awarded a PhD (Geophysics) by Macquarie University (NSW) in 2001 and has a successful association with mineral exploration industry over a period of more than 20 years. Over this time he has played a leading geophysical role in the exploration for base metals, gold, uranium, mineral sands and diamonds in a wide range of geological environments spanning five continents.

jsilic@bigpond.com

CARINA SIMMAT works at a Senior Geophysicist with Geoforce–Geophysical Imaging. Carina completed her PhD at The University of Sydney in 2005. Her research interests include high resolution geophysical techniques including their application to exploration and mine planning.

csimmat@geoforce.com.au

BIJENDRA SINGH works as a scientist in the National Geophysical Research Institute, Hyderabad, India. He is the principal investigator of the Gravity-Magnetic study group and has 30 years of experience in geophysical exploration related to resource exploration and geodynamic studies. He was the coordinator for the publication of new gravity map series of India-2006. His areas of interest are in the development in gravity–magnetic modelling, deep crustal and lithosphere structures and vertical crustal deformation studies in seismically active areas.

bsingh@ngri.res.in
JOHN SMALLWOOD is the Australia Exploration Manager for Hess, based in London, UK. He has worked for Hess for 10 years, during which he worked in a variety of technical and leadership roles within Exploration and Development, covering discoveries and fields in UK North Sea and West of Shetlands, Nile Delta, Malaysia and Thailand. His research interests include seismic attributes, depth conversion and volcanic continental margin development. He holds a PhD in Marine Geophysics and MA in Geological Sciences, both from Cambridge University.

GREG STREET graduated with a BSc(Hons) from UNE in 1974. After joining the Geological Survey of WA in 1983 he began looking at the application of geophysics in shallow environmental problems. This interest led to the development of the application of airborne geophysical systems in land salinisation studies. From 1992 to 2000 he was Director of Environmental Services at World Geoscience Corporation where he was involved in the development of airborne geophysical methods for environmental applications. In 2002 he formed his own consultancy company Geoag Pty Ltd and is now General Manager of SandFire Resources.

ADAM SMIAROWSKI completed an MSc at RMIT University in 2006, mapping near-surface salinity using EM methods, and has since begun PhD studies at the University of Toronto.

MEHRDAD SOLEIMANI works as a PhD Student and researcher in the faculty of Geophysics in Shahrood University of Technology, Iran. His field of interest is in reflection seismic data processing especially in the case of common reflection surface (CRS) stack. He works in Wave Inversion Technology (WIT) and prestack depth migration with members of Karlsruhe University. He is also working with National Iranian Oil Company (NIOC) in this field. He has been awarded a scholarship for petroleum faculty in Shahrood University. He has also been honoured as the best publisher twice in internal conferences.

DON STEEPLES is McGee Distinguished Professor of Geophysics and Vice Provost for Scholarly Support at KU. Don earned a BSc in geophysics (1969) and an MSc in geology (1970) from Kansas State University. After two years as a lieutenant in the US Army Corps of Engineers at Ft. Belvoir, Virginia and Ft. Wainwright, Alaska from 1970 to 72, he returned to graduate school and received an MS (1974) and PhD (With Distinction, 1975) in geophysics from Stanford University. He was at the Kansas Geological Survey (a KU Research Division) from 1975 until 1992, serving in various positions including Associate Director for Research and as Deputy Director. Since 1977, he has specialised in shallow high-resolution seismic imaging, an area in which he has practical experience in more than 20 states and several foreign countries. He served the Society of Exploration Geophysicists as elected Editor of GEOPHYSICS in 1989–91. He has done consulting for more than 50 companies and government agencies through Great Plains Geophysical, Inc. His wholly owned consulting company.

MEGAN SMITH works as a Reservoir Geophysicist with Woodside energy, Perth, Western Australia. Her area of interest is quantitative seismic interpretation with 11 years experience with oil and gas companies. She has been involved extensively in the 4D Interpretation of the first dedicated monitor survey in Australia, 4D feasibility and rock physics work, AVO studies, seismic inversions and interpretation. Megan has also worked for Shell in the Netherland and Santos in Adelaide.

ROBERT SUN received his PhD in Geophysics from University of Texas at Dallas in 1988. He works as a professor in the Department of Earth Sciences, National Chengkung University, Tainan, Taiwan. His research interests are elastic seismic exploration and near-surface geophysics.

RAY TRACY is a geophysicist working in the Onshore Energy and Minerals Division of Geoscience Australia. He is responsible for the upkeep of the Australian Fundamental Gravity Network. He started work for the Bureau of Mineral Resources (now Geoscience Australia) in 1975 and has conducted numerous gravity surveys in many out of the way parts of the country as well as spending some time in the Marine Geophysics program acquiring and processing marine geophysical data. He has a computing and remote sensing degree from the University of Canberra and a Master of Geoscience from Macquarie University.

GREG TURNER specialises in the use of high resolution geophysical techniques for mining and engineering applications.
and is a Director of Geoforce where he manages the Design Processing and Interpretation Division. He received a BSc (Hons) in Earth Science from Monash University in 1986 and a PhD in Earth Science from Macquarie University in 1994. Prior to establishing Geoforce he has worked at ACIRL, CSIRO, WMC and SenseOre Services. At WMC he established a production IT mine geophysics team at Kambalda before becoming Geoscience Manager for WMC’s Technology Group. He is a member of the ASEG, AIG, EAGE and AusIMM.
gturner@geoforce.com.au

TADEUSZ ULRYCH is Professor Emeritus of Geophysics at the University of British Columbia. He holds a BSc in Electrical Engineering from London University and MSc and PhD degrees in Geophysics from UBC. He has been a visiting professor at the Federal University of Bahia, The University of Pau and Kyoto University. He has been honoured by the SEG with an Honorary Membership and he is the SEG Distinguished Lecturer in the spring of 2008. ulrych@eos.ubc.ca

JIM UNDERSCHULTZ is a petroleum hydrogeologist with CSIRO Petroleum and the discipline leader for hydrodynamics and geochemistry in the CO2-CRC. In recent years he has focused on petroleum hydrodynamics of faulted strata and the incorporation of hydrodynamics in seals analysis. He has applied many of these aspects to characterise storage capacity and containment security in the geological sequestration of CO2. james.underschultz@csiro.au

CHRIS URUSKI manages the GNS Science Frontier Basins Project in New Zealand where he has worked since 1987. He holds a BSc in geology from the University College of Wales, Aberystwyth and has worked at Aberystwyth and Durham Universities and for ECL in various parts of the world before arriving in New Zealand. He is an expert in seismic interpretation and is the lead author of major reports on the Deepwater Taranaki, Northland, East Coast, Western Southland and Great South basins. Chris has worked for many, if not most, of the exploration companies in New Zealand and believes that New Zealand’s deepwater sedimentary basins contain large volumes of oil and gas. c.uruski@gns.cri.nz

ADEL VATANDOOST is a PhD student at CODES, University of Tasmania, conducting research on petrophysical characterisation of drill core as a link to mineral processing attributes. He has an MSc in Geophysics and a BSc in Mining Engineering from University of Tehran, Iran. Coal quality estimation using well log data was the topic of his MSc thesis, and before joining CODES, he was involved with geophysical exploration as a geophysicist in Iran. adelvk@utas.edu.au

PETER VAUGHAN works as Geophysical Operations Team Leader with Chevron Australia in Perth, Western Australia. He has worked in the geophysical industry since 1979 where he started as a Geophysical Engineer for GSI in Sydney. In 1982, he joined Woodside as a processing geophysicist and later held positions including Principal Geophysicist, Senior Adviser in HSE and External Affairs. He has been involved with seismic acquisition in Australia for many years and has worked closely with most contractors. He has a keen interest in ensuring all seismic operations are conducted to the highest standards of health, safety and environmental management. peter.vaughan@chevron.com

BILL VERBOOM completed undergraduate and higher degrees from the University of Rhodesia and subsequently taught on the staff of that University before moving to Australia in 1996 to work for the Department of Agriculture and Food's Natural resource Assessment group. Bill is now also an adjunct lecturer in the Department of Plant Biology at The University of Western Australia. His research interest, in the bioengineering activities macro and micro-flora, developed from critical field observations and comparisons of soil/vegetation relationships made on both continents. Bill's interests include the broader spatial patterning of such processes and their relationship to chemical variations visible in high resolution airborne radiometric imagery. p.wilkes@curtin.edu.au

ANDREA VIEZZOLI joined the hydrogeophysics (HGG) group at the University of Aarhus (Denmark) in 2006, soon after completing a PhD at Monash University (Melbourne). His research interests cover all the aspects of electric and electromagnetic methods applied to groundwater monitoring. The paper here presents results from the HGG’s work on quasi 3D modelling of airborne data. He is exploring joint inversion of Induced Polarisation and TEM data for aquifer characterisation. He is also involved in the development of the Workbench program, a software package produced by HGG for the processing of a variety of geophysical data in GIS environment. andreav.viezzoli@geo.au.dk

JULIAN VRBANCICH joined the Defence Science and Technology Organisation (DSTO), in 1984 and researched extremely low frequency EM emissions and static electric fields arising from corrosion currents in ships. Since 1997, he began researching the use of airborne EM as a bathymetric mapping tool in shallow water marine environments. This work has recently extended to include seafloor resistivity studies to identify exposed rock and estimate sediment thickness. julian.vrbancich@dsto.defence.gov.au

BOB WHITELEY is Senior Principal Geophysicist with Coffey Geotechnics and has 40 years experience in engineering and environmental geophysics. He has worked on and managed projects throughout Australia and in 19 other countries. Formerly, he was a mining company general manager, senior lecturer at The University of NSW and professor at the Asian Institute of Technology. He holds BSc (Hons) and MSc degrees in geology and geophysics from Sydney University and a PhD from The University of NSW. He has authored over 100 scientific papers and one book, The Geophysical Case Study of the Woodlawn Orebody and is a former keynote speaker at three previous ASEG conferences. bob_whiteley@coffey.com.au

CHRIS WILNS has been the geophysicist for the Resolute Mining Ltd group of companies since late 2004, following completion of a PhD at UWA and CSIRO in crustal geodynamics and interactive inversion. Prior to this, Chris studied geophysics degrees in Canada, and then worked for three years in gold exploration in West Africa before moving to Australia in 1999. chrisw@resolute-ltd.com.au

PAUL WILKES is a Senior Research Fellow in Exploration Geophysics at Curtin University, where he works on research projects in mineral exploration and environmental applications. He has worked for the UK Atomic Energy Authority, Hunting Surveys (based in UK), Geoscience Australia, Exploration Computer Services, Curtin University and as a consultant. He has worked in many different countries on a wide variety of projects in the search for hydrocarbons, minerals and increasingly environmental applications. His teaching includes potential fields, radiometrics and computer processing. Paul is a member of AIG, ASEG and SEG. p.wilkes@curtin.edu.au
KATE WILKINSON works as a Senior Geophysicist with the Geological Survey of Queensland. After completing her BSc (Hons) in Geophysics in 1996, she began work as an exploration geophysicist with Normandy Mining (now Newmont). In 1999 she moved to Queensland to take a role with NR&M specialising in the use of electromagnetics for salinity studies. Whilst with the Department, she completed a Masters in Engineering Science (Hydrological Studies). In 2004 she moved to the UK and worked in hydrogeology before returning to Australia in 2006. kate.wilkinson@dme.qld.gov.au

GARETH WILLIAMS is a Vice-President for Eastern Hemisphere of CGGVeritas and is based at the Crawley office in the UK. He has published papers on a wide range of topics in seismic exploration. He is a former EAGE President and has attended most ASEG conferences since 1985. gareth.williams@cggveritas.com

SIMON WILLIAMS is the Managing Director of GBG Australia P/L. Part of an international consultancy group providing specialist geophysical and non destructive investigation methods to the Civil, Structural and Environmental industries. Simon is a qualified geophysicist with 19 yrs experience in applied physics and geophysical methods for non destructive investigations predominantly in infrastructure and environmental applications. Simon has presented at the Geotechnical and Environmental conference in Newcastle in 2003. The AusRail conference in Sydney 2004 and the Small Bridge Conference in Sydney 2005. GBG Australia (previously CMP-GBG) has been involved in Engineering and Environmental applications for Geophysics in Australia since 1993. simon@gbg.com.au

GLENN WILSON is a Technology Associate with BP’s Exploration and Production Technology Group in Houston. He previously held postdoctoral appointments with CSIRO Exploration and Mining and the University of Utah. He holds degrees in physics from Central Queensland and Griffith universities. glenn.wilson@bp.com

PUTRI WISMAN is a PhD student in the Department of Exploration Geophysics at Curtin University of Technology. Her area of interest is seismic interpretation and modelling; rock physics property analysis; and AVO analysis and interpretation. She gained 10 years experience in the oil and gas industry before deciding to continue her higher degree, and looks forward to gaining more experience from the CO2 sequestration pilot project. putrisari.wisman@postgrad.curtin.edu.au

KEN WITHERLY is President of Condor Consulting, Inc., Lakewood Colorado USA. He became involved in minerals exploration starting in 1969 and for the next 30 years, had the opportunity to work on all continents but Antarctica. In 1999, he co-founded Condor Consulting, a service company specialising in the processing and analysis of airborne EM data for the exploration industry. In 2001, he was a co-recipient of the ASEG’s Grahame Sands Award for his contribution to develop of the Falcon™ airborne gravity gradiometer. ken@condorconsult.com

THOMAS WOOLRYCH has been working at Fugro Airborne Surveys Perth (FASP) since August 2006, and although manly office bound, hopes to get out to field check his maps in the near future. He also enjoys dabbling in magnetic interpretation and modelling, image processing and basin analysis. He graduated with honours from the Australian National University in 2004 and as is typical of the over indulged generation; he is already on his 3rd job. He previously worked as an Exploration geologist for Peak Gold Mines in Cobar and as a Junior Regolith Geoscientist at Geoscience Australia, for CRC LEME. twoolrych@fugroairborne.com.au

LISA WORALL is the Leader of Program One: Regolith Geoscience in the Cooperative Centre for Landscape Evolution and Mineral Exploration. Prior to joining CRC LEME Lisa was a Project Leader and Deputy Program Leader of the Airborne EM Mapping Program in the Cooperative Research Centre for Australian Mineral Exploration Technologies. lisa.worall@ga.gov.au

ANGEKILA WULFF works at Woodside Energy LTD as geophysicist with particular interest in rock physics, 4D seismic and quantitative interpretation. Before joining Woodside she was the rock physics focal point at Fugro-Jason and involved in software development, training and quality assurance. She became interested in the 4D seismic technique during her time at Sintef Petroleum (Norway) in 1999-2001 where she was involved in time-lapse feasibility studies and well based reservoir monitoring. Rock physics was the topic of her PhD and several research projects in Germany and Japan. angelika.wulff@woodside.com.au

JEANNE YOUNG received a BSc (Hons) in geophysics from the University of Toronto in 1983 and a PhD in geophysics from Macquarie University in 1991. Since then she has been working as a Research Scientist for CSIRO, initially working at the Division of Radiophysics on tomographic inversion of radio imaging (RIM) data. She is currently a Senior Research Scientist with CSIRO Industrial Physics, investigating the use of magnetic gradiometers in marine CSEM surveys. jeanne.young@csiro.au

VALERIYA ZADOROZHNYAYA is employed by the Council for Geoscience, South Africa as Senior Scientist. From 1971 to 1999 she was employed by the Nizhevolzhsky Geology and Geophysics Research Institute in Russia. Her qualifications include MSc (1971), PhD (1984). Fields of specialisation: Theoretical researcher, petrophysics, exploration geophysics: TEM, seismo-electric, VES, IP-methods. valeriya@geoscience.org.za

YUJIN ZHANG currently works as a senior petrophysicist, in Fugro-Jason Australia, West Perth, Australia. His areas of interest are petrophysics, rock physics and formation evaluation with integrating geological, logging and seismic data. He has been involved internationally in consultation, research and training services in the upstream sector of petroleum industry over 20 years. yzhang@fugro-jason.com

BINZHONG ZHOU joined CSIRO in 1995 and currently is a Principal Research geophysicist. He received his BSc (1983) and MSc (1986) in geophysics from Chengdu University of Technology (CDUT), China and his PhD in 1993 at The Flinders University. Prior to working at CSIRO Binzhong has been a lecturer in geophysics at CDUT, a computer software engineer for Wiltshire Geological Services in Adelaide, and a Post-Doctoral Fellow at Oxford University. His current research interests include seismic and geophysical log data analysis and applying geophysical techniques to mining problems such as the delineation of deposits and rock mass characterisation. binzhong.zhou@csiro.au

HONGTAO ZHU is a postdoctoral fellow from China University of Geosciences currently visiting CSIRO Petroleum in Perth. He
received his MSc (2002) and PhD degrees (2005) in petroleum geology from China University of Geosciences, Wuhan. His main research interests include clastic sedimentology, sequence stratigraphy and direct hydrocarbon indicators. He has undertaken a number of research projects in several oilfields in China including both onshore and offshore sedimentary basins.

zhuht_oscar@yahoo.com.cn

KAREL ZUIDWEG is business development manager EAME for Bell Geospace Ltd in Aberdeen, Scotland. He also co-ordinates the survey operations in Europe, Africa and Australia applying his extensive experience in (airborne) survey operations. He specialised in geodesy and gravimetry at the Delft University of technology, The Netherlands. He previously worked for oil companies and survey companies in the area of hydrographic and airborne survey in The Netherlands as well as in South East Asia. He joined Bell Geospace in 2004. Karel holds an MBA from Bocconi University, Milan, Italy.

kzuidweg@bellgeo.com