SECTION 5
BIOGRAPHIES

Jared Abraham is a geophysicist with the U.S. Geological Survey, Crustal Geophysics and Geochemistry Science Center. Mr Abraham received his Masters in Science in Geophysics form the Colorado School of Mines in 1999. He received his Baccalaureate in Science in Geology from Mesa State College in 1994. His research includes the use of airborne geophysical survey techniques to construct 3-D geological and hydrological framework models for the application of resource management. He has worked extensively throughout the world conducting airborne and ground geophysical surveys in North America, Europe, Antarctica, Africa, the Middle East and Central Asia.
jdabraha@usgs.gov

Ghunaim Al-Anezi is Head of Project Management Office (PMO)/Researcher. Ghunaim got his B.S. in Geophysics from King Saud University in 2001 and his M.S. in Geophysics from King Saud University in 2010. He has 10 years experience in seismic data acquisition and processing, four years experience with ARGAS as Geophysical Processor/Quality Control Geophysicist, and six years experience with KACST as Scientific Researcher and Project Management Office (PMO). His areas of interest are using seismic methods for near surface layers.
ganezi@kacst.edu.sa

Ali Aldawood is a current MSc student majoring in geophysics at King Abdullah University of Science and Technology (KAUST). He did his undergraduate studies at Edinburgh University majoring in geophysics between 2004–2008. He also spent one quarter of his postgraduate education at Stanford University. Ali works for Saudi ARAMCO, which has sponsored his undergraduate and postgraduate education. His main interest is seismic and sonic interferometric redatuming and imaging.
ali.aldawood@kaust.edu.sa

Tariq Alkhalifah is a professor of geophysics in the division of Physical Sciences and Engineering at King Abdullah University for Science and Technology (KAUST). He assumed his duties there in June 2009. Prior to joining KAUST, Tariq was a research professor and director of the Oil and Gas Research Institute at King Abdulaziz City for Science & Technology (KACST). He has also been an Associate Research Professor, Assistant Research Professor and Research Assistant at KACST. From 1996 to 1998, Tariq served as a postdoctoral researcher for the Stanford Exploration Project at Stanford University, USA. He received the J. Clarence Karcher Award from the Society of Exploration Geophysicists (SEG) in1998 and the Conrad Schlumberger Award from the European Association for Geoscientists and Engineers (EAGE) in 2003. He is a member of SEG and EAGE. Tariq received his doctoral degree in geophysics (1997) and master's degree (1993) in geophysical engineering from the Colorado School of Mines, USA. He holds a bachelor's degree (1988) in geophysics from King Fahd University of Petroleum and Minerals, Saudi Arabia. Tariq's research interests are in imaging and velocity model building for exploration seismic data with special emphasis on media that exhibit anisotropic behavior.
tariq.alkhalifah@kaust.edu.sa

Yahya Allahtavakoli is a Geodesy Ph.D Student at the University of Tehran, Iran. Major research fields: analysing inverse problems and mathematical geodesy problems. Interests: applications of gravity field modelling and geodetical methods of gravity inversion in oil exploration studies.
ytavakoli@ut.ac.ir

David Allen conducts electrical and electromagnetic geophysical surveys and research as principal of Groundwater Imaging Proprietary Limited, based in Dubbo, NSW. This business grew out of a PhD in groundwater management at the former National Centre for Groundwater Management, UTS. David previously worked for Fugro and Geoterrex.
david@groundwaterimaging.com

Hashim Almalki got his B.S. in Geophysics from KSU in 2001, and his M.S. in Geophysics from Uin Shams University in 2010. He joined KACST in 2002 and has been working in the seismic processing center as a researcher. His current areas of interest include seismic data acquisition, processing and interpretation.
halmalki@kacst.edu.sa

Majed AlMalki graduated from King Saud University, College of Science, with a M.S. degree in Geophysics. He is now doing a PhD study at Curtin University, Perth, WA. His PhD research relates to the application of borehole seismic profiling VSP and acoustic logging in high permeability sandstone aquifers in the Perth Basin, WA. He has worked as a senior researcher at King Abdulaziz City for Science and Technology (KACST), in Riyadh, Saudi Arabia, since 2002. Duties included seismic processing and conducting research related to high resolution of seismic data.
malmalki@gmail.com

David Annetts is a geophysicist with CSIRO's Division of Earth Science and Resource Engineering. He holds degrees from The University of Sydney and Macquarie University and his interests are in the application of forward and inverse electromagnetic modelling to mineral, petroleum and environmental problems.
david.annetts@csiro.au

James Austin is a structural geologist and geophysicist whose main interest is in geophysics and its application to base metal exploration. He has worked with the pmd*CRC, Perilya Limited, Encom Consulting and Pangaea Resources on mineral exploration projects in Broken Hill, the Mount Isa Inlier, Thomson Orogen and New Guinea. He is now with the Magnetics and Gravity group at CSIRO where he is researching the geophysics of mineral deposits. He has published papers on applied geophysics, structural geology and mineralisation and is currently a member of the Society of Exploration Geophysicists, the Society of Economic Geologists, ASEG and GSA.
james.austin99@hotmail.com

Virgil Bardan was born in 1939 in Romania. He obtained his PhD in applied mathematics (1978) from the University of Bucharest and PhD in the processing of geophysical data (1992) from the Polytechnical University of Bucharest. From 1961 to 2004 he worked for Prospectiuni Bucharest as a Senior Geophysicist. Currently he is retired, but from 2007 he has continued his work as a consultant at the Geological Institute of Romania. In 2002 Virgil became an EAGE Honorary Member and in 2007 he became an SEG Honorary Member.
virgil_bardan@yahoo.com

Eric Bathellier is technical marketing manager for the CGGVeritas land division. He has 20 years experience in the petroleum industry. Prior to joining CGGVeritas in 1998, Eric worked with Total as a research geophysicist from 1991 to 1995 and with Createch Industrie (now Sercel) as a sales engineer from 1996 to 1997. His main areas of interest are land acquisition technology, 4-D seismic, and integrating geophysics

with reservoir engineering. He holds a M.S. in geoscience from the IFP School and a Ph.D. in geomechanics from the Ecole Centrale de Paris.
eric.bathellier@cggveritas.com

Graeme Beardsmore received his PhD in geophysics from Monash University in 1996, for a project looking at the thermal history of the Browse Basin. He then worked for 18 months with geothermal researchers in China and the United States. Returning to a research and teaching position at Monash, Graeme co-wrote with Jim Cull 'Crustal heat flow: A guide to measurement and modelling' (2001; Cambridge University Press). He fell into the Australian geothermal industry in 2003, and has worked exclusively in that industry since then. He has held his current role of Technical Director for consulting company 'Hot Dry Rocks' since 2006. Graeme is a Board Member of the International Geothermal Association, an Adjunct Research Fellow at Monash University, and sits on numerous committees of the IGA, the Australian Geothermal Energy Group, and the Australian Geothermal Energy Association.
graeme.beardsmore@hotdryrocks.com

Craig Beasley completed his B.S., M.S. and Ph.D. degrees in mathematics and then joined Western Geophysical in 1981. He served in several capacities in the Computer Sciences, R&D and Data Processing departments including Worldwide VP of R&D and Worldwide VP of Data Processing in Western Geophysical and continued as VP, Data Processing after the formation of WesternGeco. He has received 2 Litton Technology Awards, a Performed by Schlumberger Silver Medal, the SEG Award for Best Presentation, and served as the Esso Australia Distinguished Lecturer. He has twice received honourable mention for the Best Paper in Geophysics. He is an Honorary Member of the Geophysical Society of Houston and Foreign Member of the Russian Academy of Natural Sciences. He has presented and published widely on a variety of topics ranging from prestack imaging, migration, acquisition and the connections between acquisition, processing and imaging. He served as the 2001–2002 SEG 1st Vice President and as the 2004–2005 President of the SEG. He served as the Fall 2009 SEG Distinguished Lecturer. He was the Founding Chair of the SEG Foundation program 'Geoscientists Without Borders'. He is located in Houston and is Chief Geophysicist for WesternGeco and a Schlumberger Fellow.
cbeasley@slb.com

Paul Bedrosian is a research geophysicist at the United States Geological Survey in Denver, Colorado. His research is centred on the application of electrical and electromagnetic methods to a range of studies, including framework tectonics, groundwater hydrology, seismic and volcanic hazards, and mineral resource assessment.
pbedrosian@usgs.gov

Majid Beiki received a Ph.D. (March, 2011) in geophysics from Uppsala University, Sweden. Since July 2011, he has held a postdoctoral fellow position at CSIRO Earth Science and Resource Engineering based in Sydney, NSW. His interests are inverse problems, optimisation, and developing new processing and interpretation techniques for gravity and magnetic gradient tensor data. In 2010 he received an honourable mention for Best Student Paper at the AGU Fall Meeting 2010 and in the same year he was nominated as the Outstanding Geophysics Reviewer 2010 for his highly detailed and objective reviews. He is a member of SEG, EAGE, AGU and ASEG.
majid.beiki@csiro.au

Sergey Birdus currently works as a Depth Processing Supervisor with CGGVeritas in Perth. After receiving his PhD in Geophysics from Kiev University in 1986 he worked as a lecturer for Kiev State University, a researcher in R&D departments in major Russian service geophysical companies, and in several positions with Paradigm Geophysical in Moscow and Perth before joining Veritas in 2006. Sergey is involved in challenging depth processing projects throughout the Asia Pacific region.
sergey.birdus@cggveritas.com

Christopher Bishop completed a Physics degree at Murdoch University in 1994 continuing with a Graduate Diploma and Honours in Geophysics at Curtin University. His Honours project involved the measurement of petrophysical properties from the Wiluna ore lithologies to assist in analysing the geophysical signatures and in modelling. Chris later collected data in ground geophysical crews and subsequently took up a technical role at Geosoft, teaching the software and delivering solutions to clients. Now in an Account Executive role at Geosoft Australia, he has turned his focus to hydrocarbon exploration for his Masters degree (Petroleum Geoscience) at the University of Western Australia.
chris.bishop@geosoft.com

Paul Bouloudas has been with Apache Energy in Perth for the last five years as a Senior Staff Geophysicist. He is involved primarily with seismic acquisition, processing and depth imaging. Previously, Paul was employed by PGS for eight years in various roles and locations spending four years in their Houston office as Proprietary Processing Manager. Paul also spent eight years with Fugro Seismic Imaging working on seismic imaging projects. Paul holds Bachelor Degrees in Physics and Computer Science, a Post Graduate Diploma in Geophysics and a Masters in Oil and Gas Engineering.
paul.bouloudas@apachecorp.com

Ross Brodie graduated with a BSc. App. (Hons) in Geophysics from the University of Queensland in 1990. After a short stint with Velseis in Brisbane he joined Geoscience Australia (then the BMR) in 1991, where he remains until today. He has predominantly been involved in the acquisition, calibration, processing and inversion of airborne geophysical data, for the majority of his career specialising in airborne electromagnetic methods. After studying at the Research School of Earth Sciences, Australian National University, Ross was awarded a PhD in 2010 for research on the holistic inversion of airborne electromagnetic data.
ross.c.brodie@ga.gov.au

Astrid Carlton is a geophysicist with the NSW Department of Trade and Investment 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 unexploded ordnance surveys around Australia, in Hong Kong and in the United Kingdom.
astrid.carlton@industry.nsw.gov.au

Lidena Carr is a geologist for the onshore petroleum project at Geoscience Australia. She graduated from the Australian National University (ANU) majoring in Geology and Human

Ecology with a BA/BSc (Hons) in 2004, and began working as a technical officer at the Research School of Earth Sciences (ANU). In 2007 she joined Geoscience Australia, before moving to her current position in early 2009. Membership: PESA, GSA.
lidena.carr@ga.gov.au

Eva Caspari is a PhD student at the Department of Exploration Geophysics, Curtin University. She graduated at the TU Bergakademie Freiberg, Germany in 2009 with a Masters degree in Geophysics. Her current research focus is on the application of rock physics to time-lapse seismic monitoring of CO_2 sequestration.
eva.caspari@postgrad.curtin.edu.au

Carlos Cevallos is a senior geophysicist with Fugro Airborne Surveys Pty Ltd in the Interpretation Department; he has over 20 years of experience in Australia and Mexico. Dr Cevallos' experience includes 3D modelling, inversions, geophysical data interpretations, software development, project management, and he was a statistical analyst for over three years. He is a graduate of the Autonomous National University of Mexico holding a B.Sc. in physics, a M.Sc. in geophysics from the Centre of Research and Advanced Education of Ensenada (Mexico), and a Ph.D in geophysics from Macquarie University (Australia).
ccevallos@fugroairborne.com.au

Richard Chopping is a geophysicist from Geoscience Australia whose interests include the application of geophysics to detect chemical alteration associated with mineralisation processes. To achieve this, Richard's research has been focused on the use of geophysical modelling to detect the footprint of mineral systems.
richard.chopping@ga.gov.au

Priyanka Roy Chowdhury has over six years experience as an exploration geoscientist in the oil and gas industry. Priyanka's expertise lies in frontier oil and gas provinces and unconventional hydrocarbons, such as coal bed methane and shale gas. As a petroleum geologist she was involved in palaeogeographic reconstruction, play fairway mapping and seismic interpretation. She has also managed an International New Ventures Team for a multi-national oil and gas company. Priyanka is a graduate of the University of Auckland, New Zealand, having majored in Geology and International Business.
proychowdhury@fugroairborne.com.au

Niels Christensen is Professor Emeritus in geophysics at the Geoscience Department, University of Aarhus. He works mainly with electrical and electromagnetic methods, especially their application to hydrogeophysics and other environmental problems. Recent research has been directed into airborne and marine EM and fast approximate 1D and 2D inversion procedures. He is a resident of and frequent visitor to Australia, collaborating with e.g. CSIRO, Perth, and Geoscience Australia.
nbc@geo.au.dk

Andreas Chwala studied physics at the Friedrich Schiller University in Jena, Germany. In 1993 he joined the Institute of Photonic Technology (IPHT) in Jena and started to develop SQUID systems for geophysical applications, including geomagnetic prospection (archaeometry and airborne exploration) with SQUID gradiometers and Time Domain Electromagnetics (TEM) with SQUID magnetometers. His main focus is currently the further development and data processing of IPHT full tensor magnetic gradient (FMTG) system.
andreas.chwala@ipht-jena.de

David Clark has worked for CSIRO on potential field methods and applications of rock magnetism to exploration since 1978. He has a B.Sc. with First Class Honours in Physics and an M.Sc. in Geophysics from Sydney University and is currently completing a Ph.D. at Macquarie University. Current interests include processing and interpretation of magnetic gradient tensor data, predictive magnetic exploration models, magnetic petrology, marine electromagnetic measurements, and characterisation of lightning strikes on aircraft. He is a member of the SEG and ASEG.
david.clark@csiro.au

Roger Clifton joined the Observatory Section of BMR in 1968, then did much fieldwork during the roaring Nickel Boom. He first used Fortran in the mid-1960s and has been programming more or less ever since. For several years he ran a raw materials laboratory, then taught physics at Curtin University while writing a Master's thesis. For the last 20 years he has been with the Northern Territory Geological Survey and has recently been preparing a PhD with Mike Dentith at the University of WA. Roger is a freeman of the Rostrum public speaking club. He speaks passionately for the role of Australian uranium in the developing industries of a world of changing climate.
roger.clifton@nt.gov.au

Magdel Combrinck studied and lectured exploration geophysics at the University of Pretoria in South Africa. She specialized in Time Domain Electromagnetic (TDEM) methods and worked for Geotech Airborne Ltd from 2007 to April 2011. Currently she is the president of Tau Geophysical Consultants based in Calgary, Canada. She is specialising in the interpretation of airborne geophysical data for mineral exploration.
magdel.tau@gmail.com

Branko Corner obtained BSc and MSc degrees in physics, geology and geophysics at the University of the Witwatersrand (Johannesburg), as well as a PhD in Geophysics. He served as Head of the Department of Geophysics at Wits for 12 years, and has an additional 30 years of industry experience, specialising in the interpretation of ground and airborne geophysical data. Branko presents applied geophysics courses annually at the Universities of Namibia and Rhodes, and has authored 17 publications and 32 conference articles. He is a recipient of the Henno Martin Memorial Medal for his contributions to Namibian geology.
branko@iafrica.com.na

Marina Costelloe received a BSc (1991) and a Grad. Dip. Sci. (1992) in geology and geophysics from the University of Sydney and a MSc (2004) in mine site rehabilitation from James Cook University. Marina joined Geoscience Australia in 2007 and is currently a Geophysicist in the Continental Geophysics Section. The program's focus is to acquire, process, archive, manipulate and interpret airborne geophysics and gravity.
marina.costelloe@ga.gov.au

Leon Dahlhaus is a senior borehole geophysicist with Schlumberger based in Perth, Australia. After receiving a Masters degree (1993) in Geophysics from Utrecht University, Netherlands, and an Engineering degree in Exploration Geophysics from IFP, France, he joined Schlumberger in 1997 as borehole geophysicist in the UK. In 2000 Leon moved to Australia as marine processing geophysicist with Geco-Prakla/WesternGeco. After various roles as ID and Wireline domain geophysicist, he is currently borehole seismic team leader with Schlumberger DCS group. Leon's experience covers a wide

range of seismic and sonic technologies including 3DVSP and time lapse projects.
dahlhaus1@slb.com

Cara Danis recently completed her PhD thesis titled 'The thermal structure of the Sydney Gunnedah Bowen Basin, Eastern Australia' at Macquarie University.
cara.danis@mq.edu.au

Kristofer Davis holds a BSc in Geophysical Engineering and a PhD in Geophysics; both degrees from the Colorado School of Mines in Golden, Colorado. He is currently in his second and final year as a post-doctoral fellow with UBC-Geophysical Inversion Facility at the University of British Columbia in Vancouver, BC. Kris's research interests lie in the areas of practical application of geophysical inversion and large-scale inversion of potential-field data. When he is not at UBC, you can find him either enjoying the outdoors with his wife and dog or at the curling club.
kdavis@eos.ubc.ca

Tim Dean has an Honours degree in Geophysics from Curtin University and a PhD in Physics from the University of New South Wales. He has spent the last eight years working for WesternGeco and Schlumberger in a variety of roles including field operations, software development, and research located in Saudi Arabia, England and Norway. He is currently a Senior Research Geophysicist in WesternGeco's GeoSolutions Development Group in Perth researching various topics associated with land seismic acquisition.
tdean2@slb.com

Helen Debenham graduated from Cambridge University with a Masters Degree in Geology and Geophysics. She joined Veritas in Crawley in 2003 and worked in PSDM for five years before moving into imaging research. Subsequently, Helen joined Fugro Seismic Imaging in 2008, initially leading their depth-imaging group in the UK before transferring to Perth to instigate PSDM as a product line in the Asia-Pacific region. Currently, she is working as Depth Processing Manager in the Perth centre: the role involves managing the overall running of the PSDM team in Perth as well as providing technical support to other centres in the Eastern Hemisphere.
h.debenham@fugro-fsi.com.au

James Deeks is a PhD student at The University of Western Australia with the Centre for Petroleum Geoscience and Carbon Dioxide Sequestration. With an undergraduate background in engineering and physics he has recently begun to explore the world of geophysics using computational modelling.
deeksj01@student.uwa.edu.au

Mike Dentith is Professor of Geophysics at the University of Western Australia in Perth. He is leader of the Geophysics and Image research group in the Centre for Exploration Targeting and deputy director of the Centre for Petroleum Geoscience and CO_2 Sequestration. His research interests are in resource exploration geophysics and intra-plate seismicity.
michael.dentith@uwa.edu.au

Tania Dhu graduated from the University of Adelaide majoring in Geology and Geophysics and graduated with an Honours degree in Geophysics in 2002. She currently works in the Geological Survey of South Australia, DMITRE as a Senior Geophysicist. Her work at the survey covers a wide range of topics from geophysical data management to survey design and interpretation using magnetic, gravity, radiometric and electromagnetic techniques.
tania.dhu@sa.gov.au

Jade Dickinson has been working as a geophysicist with Bell Geospace for 3.5 years and is responsible for interpretation products for projects in both the minerals and hydrocarbon exploration industries. She holds a BSc in Geophysics and an MSc by Research in Geophysics, both from the University of Edinburgh. She has previously worked for Fugro Aperio Ltd. Jade is a fellow of the Geological Society and a member of EAGE.
jdickinson@bellgeo.com

Dan DiFrancesco is the Business Development Manager for Lockheed Martin Gravity Business Unit in Niagara Falls, NY. He has written numerous published articles on gravity gradiometry and has frequently presented gravity capabilities in domestic and international symposia. Dan began his career at Lockheed Martin in 1987 as a mechanical design engineer, responsible for gravity gradiometer instrument design and field support. He has served as Program Manager and Technical Director for both commercial and government contracts. He holds membership in the Australian Society of Exploration Geophysicists (ASEG), along with the SEG, PDAC, and EAGE.
dan.difrancesco@lmco.com

Sanjeev Dogra is geophysics domain champion for Schlumberger wireline, based in Jakarta. He has 19 years of industry experience and has expertise in borehole seismic. He has a master of technology degree in applied geophysics from IIT Roorkee, India. Sanjeev is a member of SPE.
sdogra@slb.com

John Donohue is a senior geoscientist with Carpentaria Exploration Ltd. He moved back to Australia to join Carpentaria following four years in Toronto with Quantec, a Canadian based geophysical service provider. John headed to Canada from Mexico after being typical collateral damage, following the Xstrata takeover of MIM in 2003. Before his brief stint in Mexico, he spent much of his time in and out of the Mt Isa Cloncurry environs as senior geophysicist in MIM Exploration Group. He holds an honours degree in Geophysics from the University of Queensland and is a member of the ASEG and SEG.
john.donohue@capex.net.au

Jingming Duan is working in the Onshore Energy and Mineral Division of Geoscience Australia. His work focuses on magnetotelluric and seismic methods. His expertise is in magnetotelluric data acquisition, processing and inversion.
jingming.duan@ga.gov.au

Peter Duncan is founding President of MicroSeismic, Inc. a Houston based geophysical service company. He holds a Ph.D. in Geophysics from the University of Toronto. He began his career as an exploration geophysicist with Shell Canada before joining Digicon Geophysical, first in Calgary then in Houston. In 1987 he helped Digicon found ExploiTech Inc, an exploration and production consultancy. He was named President of ExploiTech when it became a subsidiary of Landmark Graphics in 1989. In 1992 he was one of three founders of 3DX Technologies Inc., an independent oil and gas exploration company where he served as Vice President and Chief Geophysicist. Duncan was 2003–04 President of the Society of Exploration Geophysicists (SEG). Duncan was the Fall 2008 SEG/AAPG Distinguished Lecturer speaking on the subject of passive seismic at 45 venues around

the world. He is an Honorary Member of SEG, the Canadian Society of Exploration Geophysicists (CSEG), the Geophysical Society of Houston (GSH), and the European Association of Geoscientists and Engineers (EAGE).
pduncan@microseismic.com

Mohamed Elkattan has worked as an Electrical Engineer at the Nuclear Materials Authority in Egypt since 2003. He received his BSc degree from Tanta University. He received his MSc degree from Cairo University at 2007. Currently, he is a PhD student at Ainshams University. Mohamed's research interests are: geophysical techniques, radar systems, artificial intelligence, and image processing.
emtiazegf@hotmail.com

Robert Ellis has spent a decade at the University of British Columbia developing geophysical inversion techniques and algorithms, followed by a decade with BHP Billiton developing algorithms and applying inversion to a wide variety of exploration projects, and now is with Geosoft bringing geophysical inversion to a wider audience in a user friendly and natural workflow.
robert.ellis@geosoft.com

Folke Engelmark has been in the geosciences since 1974 and exclusively in the oil and gas industry since 1980. He holds a Master's Degree from the Colorado School of Mines and has published over 30 technical papers. His main interests are in the area of rock physics, quantitative interpretation, data integration and marine EM. He is a member of SEG, ASEG, EAGE, AAPG, SPE, SPWLA and SEAPEX.
folke.engelmark@pgs.com

Hugo Espinosa received his BSc degree in Electrical Engineering from the Institute of Technology, Mexico, 1998; a MSc in Electrical Engineering from the University of Sao Paulo, Brazil, 2002; and his PhD in Electrical Engineering from the Technical University of Catalonia, Spain, 2008. Appointments include Visiting Fellow in 2006 at the Polytechnic School of Lausanne, Switzerland and a Post-doctoral Fellow in 2009 at Tel Aviv University, Israel. In 2011 he joined Griffith University, Australia, where he is currently a Research Fellow. His main research interests include fast methods for numerical computation of electromagnetic geophysics.
h.espinosa@griffith.edu.au

Derek Fairhead is President and Founder of GETECH and Prof of Applied Geophysics, University of Leeds. He joined University in 1972 and in the 1980s defined the West and Central Africa Rift System and its link to plate tectonics. In 1986 Derek initiated continental scale gravity and magnetic compilation studies funded by the oil industry. This resulted in the formation of GETECH Group plc in 2005 which holds the world's largest commercial gravity and magnetic database. Major research successes include improving the resolution of satellite altimeter derived gravity and improving structural mapping and depth to magnetic basement methodologies.
jdf@getech.com

Gary Fallon has spent more than 25 years applying high resolution geophysical methods to mining operations, both metalliferous and coal. This includes a two year secondment as senior research officer to the University of Queensland. This position was primarily to form part of a research team completing the AMIRA P436 project 'Application of geophysics to mine planning and ore body delineation'. Of recent times Gary is part of the successful consulting company known as Geophysical Resources and Services and has held a position as a non executive director in a publicly listed company (Anchor Resources).
gnfallon@consultgrs.com.au

Stephen Fraser is a Senior Principal Research Geologist with CSIRO Earth Science and Resource Engineering. He currently manages the Enhancing Knowledge from Drilling stream in the Minerals Down Under Flagship; and is a co-leader of the Sensors for Rapid Down-Hole Characterization project within the Deep Exploration Technologies CRC. Stephen graduated as a structural geologist and has over 30 years experience gained in industry and CSIRO. He is a Fellow of the Australian Institute of Mining and Metallurgy, a Member of the Association of Applied Geochemists and an Associate Member of the ASEG.
stephen.fraser@csiro.au

Lisa Gavin is a geophysics PhD candidate at the University of Western Australia within the Centre for Petroleum Geoscience and CO_2 Sequestration ($CGPCO_2$). Her current research focus is on seismic azimuthal anisotropy analysis for estimating reservoir properties. She graduated from Curtin University in 2010 with BSc Geophysics with first class honours.
gavinl01@student.uwa.edu.au

Lawrence M. Gochioco has B.S. and M.S. Physics degrees from the Ateneo de Manila University (1978), Philippines, and Ohio University. He has over 25 years experience in the US petroleum and mining industries. He has published numerous technical papers and feature articles in various scientific and engineering journals, and was a former chairman of the prestigious TLE Editorial Board. Lawrence founded LM Gochioco & Assoc. Inc, and GeoNano Technology Corp., based in Houston, Texas, USA. He conducted geophysical research and exploration projects for several US Government Agencies, the UNDP, and in USA, Mongolia, Mexico, and Russia.
geophy6@hotmail.com

Kate Godber is a consultant geophysicist working in the mining and exploration industry. Her geophysical expertise includes down-hole geophysics, airborne EM, and potential fields. She has worked extensively in Tasmania, Macquarie Island, Broken Hill, Queensland and North America, and has an eclectic interest in all matters pertaining to electrical geophysics. She is a member of the ASEG, SEG, and AIG.
kate.godber@groundprobe.com

Alexey Goncharov is a principal research scientist at Geoscience Australia. He holds a PhD degree in Geophysics from the St-Petersburg Mining Institute in Russia. Alexey's main research projects in Australia were deep crustal studies of the Mount Isa Inlier, ocean-bottom seismograph studies and integration of reflection and refraction seismic results at the Australian North West Margin, assessment of basement and crustal controls on hydrocarbon maturation, lithological interpretation of seismic velocities on the Australian SW Margin.
alexey.goncharov@ga.gov.au

James Goodwin completed a Bachelor of Science with Honours at Monash University in 2009 majoring in geoscience. In 2010 he joined Geoscience Australia as a graduate before joining their Minerals and Naturals Hazards Division in 2011. James now focuses on the interpretation of potential field data, including forward modelling and 3D inversion techniques, for the purpose of promoting onshore energy and mineral exploration.
james.goodwin@ga.gov.au

Anna Greve completed her undergraduate studies in Freiburg, Germany and received a M.Sc. in Hydrology from the Wageningen University in the Netherlands. After completing a Ph.D. at the University of New South Wales on Geophysics in Hydrogeology she is now working as a Postdoctoral Fellow at the Water Research Laboratory. Anna's present research focuses on the use of electrical resistivity to monitor changes in soil moisture and preferential flow in cracking clay soils. Further she is investigating the use of field scale micro gravity measurements to monitor changes in water storage.
a.greve@wrl.unsw.edu.au

Mark Grujic is a geophysicist working for Rio Tinto at the University of Western Australia. A part of the VK1 gravity gradiometer project, he is developing and streamlining the data processing steps that will result in an interpretable gravity gradient result.
mark.grujic@riotinto.com

Ron Hackney graduated from ANU with a BSc (Hons) in 1993. He completed an MSc at Victoria University of Wellington in 1995 (Antarctic geophysics) and a PhD at the University of Western Australia in 2001 (Pilbara crustal structure). He spent six years in Germany as a postdoc (Free University of Berlin) and a Junior Professor (University of Kiel) where he was involved in subduction-zone studies and exploring geological applications of satellite gravity data. He joined Geoscience Australia in 2008 to work on the application of potential-field data to basin studies. Ron is President of the ACT Branch of the ASEG.
ron.hackney@ga.gov.au

Mike Hall, P. Geoph, Centre Manager in Calgary, Canada for Geokinetics received his Masters in electronic engineering from the University of Calgary in 1977 specializing in sign bit Vibroseis. Mike has over 40 years of experience covering seismic acquisition, processing, interpretative processing and seismic survey design. His main interests are in reservoir characterisation, seismic imaging and development geophysics; using 3D seismic in conjunction with other disciplines to achieve interpretation objectives. He has extensive experience in interpretive processing and a strong interest in the use of time lapse (4D) and multi-component surveys plus accurately imaging the subsurface in depth. Mike's experience covers land, transition zone, OBC and marine seismic throughout the world. He is keen on ensuring integration between acquisition, processing and interpretation while incorporating external information for calibration and control. Mike was Chairman of the ProMAX Users Group and Geophysical Adviser to the UK government R&D LINK funding program. He has provided geophysical training for the OETB, presented courses on 3D Survey Design and on the QC of 3D seismic processing. Mike is a member of the SEG, AAPG, CSEG, EAGE and APEGGA.
mike.hall@geokinetics.com

Antony Hallam graduated from the University of Queensland in 2010 with a Masters in Mineral Resources completing a thesis entitled 'Numerical modelling of shallow seismic reflection'. Tony currently works for Origin Energy in Brisbane filling a technical role which includes, rock physics, AVO modelling and petrophysics.
tony.hallam@originenergy.com.au

Brett Harris is Senior Research Fellow at Curtin University and manages many research projects in the areas of hydrogeophysics, electromagnetic methods, geophysics for minerals exploration, numerical modelling and time lapse in-hole geophysical methods.
b.harris@curtin.edu.au

Peter Hatherly is a geophysicist with 35 years experience in research and consulting for coal mining. Over that time he has had involvement with many geophysical techniques but his main interests lie with geophysical logging and the active and passive seismic methods. Much of his research has been funded through the Australian Coal Association Research Program and has involved working closely with geologists and geotechnical engineers to solve practical mining problems. Peter currently offers geophysical services through his own company, Coalbed Geoscience. He is also employed part-time at the University of Sydney where he is contributing to a large mine automation project funded by RioTinto. Peter holds a PhD from Macquarie University. He has received a number of awards for his contributions to geophysics and coal mining.
geophys@bigpond.net.au

Steve Hearn is Chief Geophysicist and Managing Director at Velseis Pty Ltd. He received Applied Science and PhD degrees from the University of Queensland (in 1975 and 1981). He has a fractional appointment at UQ teaching applied geophysics. Steve has worked for Australian and international seismic companies and as a consultant. He is interested in most aspects of applied seismology, with current emphasis on acquisition and processing techniques.
steveh@velseis.com

Philip Heath majored in Geology and Geophysics, completed honours level Geophysics, and received his doctorate from the University of Adelaide in 2007 for a PhD thesis entitled 'Analysis of potential field gradient tensor data: forward modelling, inversion and near-surface exploration.' He then worked with Canadian Micro Gravity as an operator and processor for the GT-1A airborne gravity system. He now works with the South Australian Government with the Geological Survey of South Australia. As well as his work with the GSSA, he is currently president of the SA/NT branch of the ASEG.
philip.heath@sa.gov.au

Rosemary Hegarty currently works on geophysical interpretation within the Regional Mapping and Exploration Geoscience Section of 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 the mineral exploration industry mainly carrying out structural geology studies and mapping. She is interested in all methods which merge geological information and potential field data.
rosemary.hegarty@industry.nsw.gov.au

Joanne Henry is an Exploration and Mining Geologist at GeoConsult in Brisbane. She has worked for GeoConsult for three years, with her main focus being the TSIM project for the past two years. Joanne is a member of the Geological Society of Australia (GSA) and the Australian Society of Exploration Geophysicists (ASEG).
jhenry@geoconsult.com.au

Jane Hodgkinson has worked at CSIRO for four years in the Earth Resource and Engineering group. She has worked with Steve Fraser on exploration data analysis using self-organising maps, and across other themes in the mining research area including climate mitigation and adaptation. Jane was awarded her PhD by QUT for analysis of geological control over southeast Queensland's landscape.
jane.hodgkinson@csiro.au

Elliot Holtham is originally from Victoria, Canada. He holds a BASc in Engineering Physics from the University of British Columbia. He is currently finishing up his PhD thesis at the UBC Geophysical Inversion Facility in Vancouver. His research focuses on developing algorithms and methodologies to invert natural source electromagnetic data.
elliotholtham@hotmail.com

Michal Holtzman Gazit has a PhD from the Technion Israeli Institute of Technology, in the Department of Computer Science. She is currently a post-doctoral fellow in the University of British Columbia, in the Mathematics and Computer Science departments. Her research interests include image processing, computer vision, medical imaging and inverse problems.
mikih@cs.ubc.ca

Terry Hoschke graduated in geophysics from the University of New England in Australia in 1980. He worked as a geophysicist for Geopeko in the 1980s exploring for a number of commodities including gold, uranium and base metals. He managed the Darwin exploration office for North Limited for three years from 1992 and subsequently worked on porphyry exploration for North in Indonesia. He joined Normandy in 2001 and is currently employed as principal geophysicist with Newmont, based in Perth. He has completed an MSc thesis on the geophysics of porphyry and epithermal systems which has recently been published by CODES.
terry.hoschke@newmont.com

John Hughes is a consultant Geophysical Operations Adviser running his own company, John R Hughes Geophysical Pty Ltd. He graduated from UCW Aberystwyth in 1969 with a BSc (Hons) degree in geology and during his 42-year career has become a highly experienced acquisition and processing geophysicist with an excellent command of environmental issues and economic/geological objectives. This has led to him being invited to talk at numerous conferences and workshops and sit on national and international committees. Having retired from corporate life in 2007 after 20 years as Santos' Chief Operations Geophysicist, John now specialises in providing services to operators on the more challenging aspects of seismic surveys such as operations in Central Asia, offshore environmental approvals, onshore seismic productivity improvement and near surface (statics) issues. He is an honorary member of ASEG, and a member of SEG, EAGE and PESA.
jrhgeo@ozemail.com.au

Barry Hung received a BSc (1993) and a PhD (1997) in Physics from the University of London. He joined Veritas in 2000. He currently holds the position of Research Advisor. Barry's research interests include seismic trace interpolation and data regularisation, broadband seismic data processing and multiples attenuation. Barry is a member of the SEG and EAGE.
barry.hung@cggveritas.com

Tatsunori Ikeda is a PhD student at Kyoto University. The main topic of his study is the surface wave analysis considering higher modes. He is also interested in anisotropy of surface waves which has the information regarding stress condition related to earthquake.
t_ikeda@earth.kumst.kyoto-u.ac.jp

Ian Jackson leads a small research group at the Australian National University focussed on the laboratory measurement of seismic properties of rocks. Particular emphasis is placed upon the use of low-frequency forced-oscillation methods to document the dispersion and attenuation associated with viscoelastic and poroelastic relaxation.
ian.jackson@anu.edu.au

Ian James is a geophysicist currently employed at GroundProbe Geophysics.
ian.james@groundprobe.com

Paul Johnston is a Senior Research Fellow on the VK1 project which is a collaboration between Rio Tinto and the School of Physics, University of Western Australia. He is a mathematical geophysicist and has interests in geophysical inversion, mathematical modelling of potential fields and data processing.
paul.johnston@uwa.edu.au

Stephen Johnston graduated from the University of Auckland in 2009 with a Master of Science degree in geology. His thesis focused on the seismic stratigraphy of the Northland Basin, New Zealand from the Late Oligocene to Recent. He joined Geoscience Australia in 2009 as a graduate geoscientist, where he now studies the petroleum prospectivity and CO_2 sequestration potential of the southwest margin of Australia.
stephen.johnston@ga.gov.au

Aurore Joly received her PhD in Geophysics and Geology from Orleans University (France) in 2007, for a project looking at the evolution of a lithospheric-scale fault. Her PhD involved 3D geological and geophysical modelling, particularly specialising in the integration of petrophysical, geophysical and structural geological data. In 2007 she joined the CET at the University of Western Australia where she applies her expertise to problems associated with mineral exploration, working in Archean granitoid-greenstone terrains and Proterozoic mobile belts in Western Australia.
aurore.joly@uwa.edu.au

William Jones completed a Bachelor of Applied Science (Environmental Science) at Charles Sturt University and is currently completing a Master of Geoscience at Macquarie University. He has been involved in geophysical exploration in different roles since 2006, mainly in the collection of TEM and IP data throughout Queensland, NSW, South Australia, and the Northern Territory, as well as projects in Bulgaria and Cyprus. He is currently employed by Geoscience Australia within the Geomagnetism Section as a Technical Officer monitoring the Earth's geomagnetic field.
bill.jones@ga.gov.au

Leonie Jones has a BSc (Hons) in Physics from the University of Queensland and a PhD in Geophysics from the Australian National University. She has worked as a geophysicist in the petroleum industry, in academia and in government. Her initial laboratory research interests in elastic properties of minerals and rocks at ultrasonic frequencies have evolved into regional seismic reflection investigations of the Australian continent. She currently works at Geoscience Australia in the Seismic Acquisition and Processing Section in the Minerals and Natural Hazards Division.
leonie.jones@ga.gov.au

Vlad Kaminski is a 2000 graduate of Moscow State University, (Moscow, Russia). He has worked closely with the airborne geophysical industry since then, including affiliations with Fugro Airborne Surveys, US Department of Energy (NETL) and Geotech, Ltd. In 2008 Vlad successfully defended his doctorate

dissertation at the University of Pittsburgh (Pittsburgh, PA), focusing on innovative approaches of geophysical technology to environmental and geotechnical problems. In September 2010 Vlad received an appointment to the Geophysical Inversion facility, University of British Columbia (Vancouver BC), as a post-doctoral fellow under supervision of Professor Douglas Oldenburg.
vkaminski@eos.ubc.ca

Andy Kass obtained his BS in Geophysical Engineering from the Colorado School of Mines in Golden Colorado. He is currently a PhD student in the Center for Gravity, Electrical, & Magnetic Studies (CGEM) at the Colorado School of Mines. His research interests include resource exploration, time-lapse monitoring, processing and inversion.
mkass@numericalgeo.com

Michael Kemper is a petroleum engineer/geophysicist with 22 years experience in geophysics, petrophysics and reservoir engineering. Michael started his career with Shell International, working on the interface between Petrophysics and Geophysics. In 1999 Michael became team leader petrophysics/petroacoustics at Ikon Science working on a wide variety of projects. It is during this time that RokDoc was started. Now as Group Technical Director for Ikon Science, Michael is responsible for further RokDoc development, R&D, and Rock Physics/QI methods throughout the company. Michael is a Honorary Research Fellow of the University of Aberdeen, and is now based in Asia Pacific.
mkemper@ikonscience.com

Vincent Kong is a Principal Geophysicist with WesternGeco Geosolutions Development Group in Perth Australia. He graduated with a B.Sc. in Physics from New Zealand in 1976 and earned a MBA from the United Kingdom in 1995. He has been in the Petroleum industry since 1981, having worked with the service industry as well as Major and National Oil companies. Vincent's work experience covered seismic surveys, data processing, data interpretation and reservoir characterization (geophysics), in petroleum provinces of Australia and New Zealand, South East Asia, the North Sea, China and parts of West Asia and Africa.
wkong@slb.com

Peter Kovesi is a member of the geophysics and image analysis group within the Centre for Exploration Targeting, School of Earth & Environment at The University of Western Australia. Prior to this, from 1991 to 2007, he was with the School of Computer Science & Software Engineering at UWA. Peter's research interests are mostly in computer vision. Much of this work has concentrated on using local phase information in images to construct invariant quantities for feature detection, symmetry/asymmetry analysis, texture analysis, and feature matching. He also has interests in photogrammetry and 3D reconstruction.
peter.kovesi@uwa.edu.au

Marek Kozak is cofounder of SuperSonic Geophysical LLC located in Newark, California, providing independent analysis of full wave acoustic logs. He holds a Ph.D. in EE/Measurement Systems from the Warsaw University of Technology in Poland. He has been instrumental in the development of pulsed power wire line induction and acoustic logging tools, and data processing software; he also co-authored several patents and white papers in this area. Prior to arriving in the USA in 1990 he was with the Warsaw University of Technology, conducting research in theoretical and applied magnetics and working as an industry consultant.
marek@acousticpulse.com

Richard Krahenbuhl obtained his BS in Geophysics from the University of California, Santa Barbara and got his Ph.D. in Geophysics from the Colorado School of Mines in Golden Colorado. He is currently a Research Assistant Professor within the Center for Gravity, Electrical, & Magnetic Studies (CGEM) at the Colorado School of Mines. His research interests include resource exploration, time-lapse monitoring, processing and inversion.
rkrahenb@mines.edu

Richard Lane is a Senior Geophysicist at Geoscience Australia. He has extensive experience in the private, service provider, and government sectors. His specialities are minerals and petroleum exploration, airborne geophysics, computational methods, and geoinformatics. He obtained a B.Sc (Hons), Geology and Geophysics, from the University of Melbourne in 1983. Since then, he has been a Geophysicist with CRA Exploration Pty Ltd (1984–1997), Chief Geophysicist (Product Development Division) at Fugro Airborne Surveys (FAS)/World Geoscience Corporation (WGC) (1997–2001), before joining AGSO/GA in 2001.
richard.lane@ga.gov.au

Maxim Lebedev obtained a PhD in physics in 1990 from the Moscow Institute of Physics and Technology in Russia. He worked for a decade as a physicist at the High Energy Research Centre in Russia, and for eight years as a material scientist at the National Institute of Advanced Industrial Science and Technology in Japan. In 2007 Maxim joined Curtin University and became the leader of an experimental group in rock physics. His research is focused on the properties of subsurface reservoir rocks and minerals. He is author and co-author of over 100 scientific papers, and has been granted five international patents.
m.lebedev@curtin.edu.au

Jean Legault is an exploration geophysicist who has worked in airborne and ground EM, electrical/IP and magnetotelluric geophysics applied to mineral exploration since 1985. Since 2008 he has been Chief Geophysicist (Interpretation) at Geotech Ltd., in Aurora, Ontario, Canada, where his primary area of interest is in geological interpretation of ZTEM natural-source and VTEM active-source AEM data. He obtained B.A.Sc. in 1982, in geological engineering (geophysics option) at Queen's University in Kingston, Ontario, Canada. He later obtained M.Sc.A. in 2005, in mineral engineering (applied geophysics) at Ecole Polytechnique of University of Montreal, Quebec, Canada.
jean@geotech.ca

Jie Jian Leong was awarded a BSc degree in Geophysics from Curtin University (2010) and is expected to complete his BSc (Honours) in Geophysics in 2011. He was offered an Honours Studentship from CSIRO to complement his Honours project. He acquired mining experience at Cliffs Natural Resources as a summer vacation student in 2008 and 2009. At the end of 2010, he worked at Geosoft as an intern. He is now working at PGS Australia as a geoscientist in the Reservoir group on a part-time basis. His main interests are seismic interpretation and stratigraphy, reservoir characterization, and hydrocarbon exploration.
jiejian.leong@student.curtin.edu.au

Yusen Ley-Cooper undertook a PhD at Monash University, on the application of Airborne Electromagnetics to environmental geophysics, and then worked as a Postdoctoral Fellow at RMIT University. During the world financial crisis, things weren't that certain for junior researchers doing geophysics. Research money

and grants dried up and Yusen had to follow a position offered at Geoscience Australia. He is currently at CSIRO recently created EM applications group, using ground and airborne EM methods for mapping groundwater and mineral exploration.
yusen.ley@csiro.au

Yaouguo Li is currently an Associate Professor of Geophysics at the Colorado School of Mines and leads the Center for Gravity, Electrical, and Magnetic Studies (CGEM) and the Gravity and Magnetics Research Consortium (GMRC). His research interests include inverse theory; inversion of gravity, magnetic, and electromagnetic data; and their application to resource exploration, environmental, and geotechnical problems. He is a co-recipient of the 1999 Gerald W. Hohmann Award, SERDP 2007 Project of the Year Award, and 2010 ASEG-PESA Laric Hawkins Award. He is currently a member of SEG and AGU. He has developed or co-developed many geophysical inversion programs including DCIP2D, DCIP3D, GRAV3D, MAG3D, GG3D, BININV3D, and AMP3D.
ygli@mines.edu

Christopher Liner earned a BS in Geology (U. Arkansas, 1978), MS in Geophysics (U. Tulsa, 1980), and PhD in Geophysics (Colorado School of Mines, Center for Wave Phenomena, 1989). He has 11 years industrial experience in exploration (Conoco) and geophysical research (Western Geo, Fairfield, Saudi Aramco). From 1990–2004 Liner was a faculty member in Geosciences at The University of Tulsa. In January 2008 he joined the faculty of the University of Houston Department of Earth and Atmospheric Sciences where he is currently Professor and Associate Director of the Allied Geophysical Labs industrial consortium. Professor Liner's research interests include petroleum reservoir characterization and monitoring, CO_2 sequestration geophysics, advanced seismic interpretation methods, seismic data analysis and processing, near surface, anisotropy, and seismic wave propagation. He has served as Editor of Geophysics (1999–2001), authored many technical papers, scientific meeting abstracts, The Leading Edge column Seismos (since 1992), and the text book 'Elements of 3D Seismology', now in 2nd Edition. Liner is a member of SEG, AAPG, AGU, and the European Academy of Sciences.
chris.liner@gmail.com

Andrew Long is Chief Scientist for Geoscience and Engineering at Petroleum Geo-Services (PGS). Andrew holds a Ph.D. from the University of Western Australia. He has variously worked in academia and both the minerals and petroleum industry. He joined PGS in 1997, working in various technical roles with particular interests in survey design, rock physics, and acquisition-imaging links. He was SEG Honorary Lecturer for the Pacific South region in 2009. He is a member of ASEG, PESA, SEG, EAGE, and SEAPEX.
andrew.long@pgs.com

Sofia Lopes completed a Masters degree in Internal Geophysics in 2009 at the Faculty of Sciences in the University of Lisboa, with a dissertation focused on thermal and hydraulic fracturing. She started her PhD at Curtin University in July 2010, on the subject 'Fluid injection with acoustic monitoring and X-ray CT scanning in reservoir rocks'. She is interested in studying how the presence of fluids changes the mechanical and physical properties of rocks.
s.correialopes@postgrad.curtin.edu.au

David Lumley is a Winthrop Professor in the School of Earth and Environment, University of Western Australia (Perth) and is appointed as the first Woodside-Chevron Chair, and Director of the Centre for Petroleum Geoscience and CO_2 Sequestration. He is a geophysicist with a focus on energy and environment applications, including prior research and operations roles in industry, and academic positions at Stanford and the University of Southern California. He has significant experience as a business owner, including co-founder, CEO and Chief Scientist of 4th Wave Imaging, a geophysical research company purchased by Fugro in 2007 (www.fugro.com).
david.lumley@uwa.edu.au

Campbell Mackey graduated from Curtin University in 1992 with a BSc (Geophysics)(Hons). He has worked for Newcrest Mining Ltd since February 1994. Newcrest is primarily a gold exploration and mining company. Initially he was based at the Telfer mine. His role is currently Senior Geophysicist, based in Brisbane. His role includes the design, tendering, supervision, processing, interpretation and modelling of geophysical surveys for the group. Methods include potential field (as well as FALCON AGG), IP, CSAMT, 3D seismic reflection, and other methods. Campbell is a member of the ASEG and SEG.
cam.mackey@newcrest.com.au

James Macnae, recently awarded the ASEG Gold Medal, is a professor at RMIT University with interests in anything to do with electromagnetics and induced polarization that does not involve 'black boxes': sensors, noise, acquisition systems, processing, modelling, fast inversion. He also has interests in interpretation and quantitative mapping of minerals, water, salinity and pollution.
james.macnae@rmit.edu.au

Dmytro Malytskyy has an MSc degree from Lviv University, Ukraine. He completed a PhD in 1994 at the Institute of Geophysics, National Academy of Sciences of Ukraine – 'Methods and algorithms for solving the inverse problem of seismology in thin- layered media'. In 2010 he completed a Doctor of Physical and Mathematical Sciences on the topic 'Matrix method and its modifications in the problems of determining the earthquake's wave field and source parameters'. Since 2002 Dmytro has been employed as Senior Researcher, Chief of Department Seismotectonic Research at the Carpathian Branch of Subbotin Institute of Geophysics (CBIG), NASU (National Academy of Science, Ukraine), Lviv, Ukraine. His responsibilities include new approaches for solving the inverse problems about seismic tensor and STF; modelling of seismic wave propagation and inversion about medium and earthquake source; new approaches to study seismicity; deformation measurement in rock by a high-precision laser deformograph; and research in engineering seismology including applications of seismological information to estimate seismicity and seismic hazards.
dmytro@cb-igph.lviv.ua

David Marchant completed his Bachelor of Science in physics and applied mathematics at the University of Western Ontario. He is currently pursuing his PhD in applied geophysics at the University of British Columbia focusing on IP effects in electromagnetic data.
dmarchant@eos.ubc.ca

Robert Martin is a recent Honours graduate of Curtin University of Technology in Perth. His completed dissertation was basin scale airborne TEM and seismic reflection for groundwater modelling in the Northern Perth Basin, Western Australia. He likes long walks on the beach at sunset and

discussing interesting topics in front of the fireplace with a glass of red wine. He currently works for a seismic acquisition company and hopes that geophysics will lead him into a world of adventure.
r.martin@student.curtin.edu.au

Cericia Martinez obtained her BS in Geophysics from the Colorado School of Mines in Golden, Colorado. She is currently a graduate student working towards her Ph.D in the Center for Gravity, Electrical, & Magnetic Studies (CGEM) at the Colorado School of Mines. Her research interests include resource exploration, gravity gradiometry, processing and inversion.
cemartin@mines.edu

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. During this time he has been involved in the processing, interpretation and modelling of potential field data covering large areas of Australia. His interests include depth to magnetic source modelling and he has used a variety of methods to map the depth to magnetic basement.
tony.meixner@ga.gov.au

Alan Meulenbroek graduated from the University of Queensland with a B.Sc.App. (Geoph) (Hons 1) in 2006. His role at Velseis combines field operations and R&D, with current research focusing on geophysical inversion and multicomponent seismology. He is enrolled in a part time Ph.D. degree at the University of Queensland. He is a member of the ASEG, SEG and EAGE.
alanm@velseis.com

Julien Meunier after obtaining a Bachelors degree in Economy from the University of Grenoble (France) and a Masters degree in Physics in 1971 from the Institut Polytechniquede Grenoble, joined CGG in 1973 and spent four years as a field geophysicist and party chief in various parts of the world. He then served as area geophysicist and processing centre manager before taking responsibility in 1996 for the R&D team of the Land Acquisition product line of CGG, later CGGVeritas. He was in this position until last year when he became geophysical advisor in the Land Acquisition product line. The main research topics in the land acquisition R&D team include 3D acquisition design, Vibroseis acquisition, reservoir monitoring, and ocean bottom acquisition. Julien has been granted numerous patents and presented numerous papers on these techniques. He participated in the EAGE Distinguished Lecturer Program in 2005 and was the SEG-EAGE Distinguished Short Course Instructor in 2011.
julien.meunier@cggveritas.com

Loic Michel is the Services Manager for Hampson-Russell in Asia-Pacific. He supervises and advises on all of the group's seismic reservoir characterisation and interpretation projects. He has over 11 years experience in 2D, 3D, 4D, MC seismic including seismic processing, AVO, inversion, attributes, rock physics, pore-pressure prediction, interpretation and fractured reservoir characterisation. He has worked in the CGGVeritas centres in London, Massy, France and Kuala Lumpur with practical experience being gained from basins in Europe, West Africa, The Middle East, CIS, India and most recently SE Asia and Australia.
Loic.Michel@cggveritas.com

Burke Minsley has been a Research Geophysicist with the U.S. Geological Survey in Denver, Colorado since 2008. His primary research interests are in the fields of hydrogeophysics and inverse theory, and he presently serves on the AGU hydrogeophysics technical committee. Burke is actively involved with several airborne electromagnetic surveys aimed at characterising shallow aquifer systems and permafrost. He is also leading the development of new methods to assess uncertainty from airborne EM data, particularly through the implementation of Bayesian Markov chain Monte Carlo sampling methods.
bminsley@usgs.gov

David Monk is the Director of Geophysics at Apache Corporation. Dave is responsible for worldwide seismic activity including acquisition and processing in areas such as Argentina, Australia, Canada, Egypt, North Sea and the USA. Having completed a Ph.D. in physics, he worked on seismic crews in Nigeria for two years, and has subsequently been involved in seismic processing and acquisition in most parts of the world. Author of over 100 technical papers or articles and a number of patents, Monk has received 'best paper' awards from the Society of Exploration Geophysicists and the Canadian SEG, and was recipient of the Hagedoorn Award from the European Association of Exploration Geophysics. He was First Vice President of SEG in 2006.
david.monk@apachecorp.com

Ian Moore is a geophysical advisor for WesternGeco, and has worked in their R&D department for over 15 years. After four and a half years based in the UK, he moved to Perth and has been based there since, except for a 2-year secondment to Schlumberger's Cambridge research centre. His research interests include multiple and noise attenuation, interpolation, signal processing and, most recently, simultaneous source separation.
imoore1@slb.com

Shane Mule graduated with a BSc (Hons) degree in Physics from Curtin University of Technology in 2007. After graduating he joined Fugro Airborne Surveys (Perth) as a Processing Geophysicist and gained exposure to data acquisition and processing techniques of the various airborne systems operated by the company. His current role is focussed on modelling Airborne Electromagnetic (AEM) data and improving AEM processing methods to aid in data interpretability.
smule@fugroairborne.com.au

Colm Murphy is a senior geoscientist with Bell Geospace, responsible for the technical promotion and application of FTG Gravity services in the mineral and hydrocarbon exploration industries. He holds a BSc in Geology from University College Cork and a PhD in Geophysics from NUIG, Galway in Ireland and has over 18 years industry experience. He previously worked with World Geoscience Corporation and the Geological Survey of Canada. Colm is a member of the EAGE and Geophysical Association of Ireland.
cmurphy@bellgeo.com

Robert Musgrave is a Senior Geophysicist with the Geological Survey of NSW. Bob's interests are in potential field imaging and interpretation, geologically constrained inversion, and the application of palaeomagnetism and magnetic petrophysics to tectonics, mineralisation, and gas hydrate studies. Bob's recent research has focussed on the tectonic history of NSW, the interpretation of long-wavelength components of the magnetic field as a means of interpreting middle and lower crust lithology, and the use of palaeomagnetism to identify vertical axis

rotations. Bob is a conjoint Senior Lecturer at the University of Newcastle, where he operates a rock magnetic and palaeomagnetic laboratory.
robert.musgrave@industry.nsw.gov.au

Paul Mutton graduated with an Honours degree in Exploration Geophysics from Curtin University in 1996. He worked for Western Mining Corporation as a Mine Geophysicist at the Kambalda Nickel Operations and joined Southern Geoscience Consultants in 2000. In 2004 he became a consultant for SGC and now works on geophysical exploration programs for a variety of base and precious metal projects across the world. Paul enjoys the practical application of the science in different environments and in quieter moments is surprised how it all can work and be useful.
paul@sgc.com.au

Dariush Nadri has been a Geophysicist with CSIRO in Perth since 2008. He received his PhD in Geophysics from Curtin University in 2008, his MSc in Geophysics from University of Tehran in 1999, and his BSc in Geology from Ferdowsi University of Mashad, Iran in 1995. Before joining Curtin University, Dariush worked in the Research Institute of Petroleum Industry, Tehran for 3 years. His areas of research are seismic anisotropy and inverse modelling. He also works as a seismic data analyst in areas of processing and inversion.
dariush.nadri@csiro.au

Ajay Nalonnil is the Business Development Manager for Asia-Pacific for crosswell technologies based in Kuala Lumpur, Malaysia for Schlumberger. Previously he was the product champion for DeepLook-EM (crosswell electromagnetics) based in Richmond, California. He has more than 17 years with Schlumberger and started as a field geophysicist processing land and marine seismic data in the Asia-Pacific region. Following the field, Ajay worked with Schlumberger Information Solutions as Senior Geoscientist in reservoir modelling workflows focusing on seismic to simulation projects. Ajay has a Bachelor of Science with Honours in applied geophysics from Curtin University, Australia and later completed an MBA in technology management from Deakin/La Trobe University, Australia. His current role focuses on new technology development, deployment and marketing with a special focus in integrated technologies for unconventional gas development. He has authored and presented several publications on new technologies. He is a member of SPE and SEG.
ajayn@exchange.slb.com

Adrian Noetzli graduated in 2001 with a BSc in Pure Mathematics and Physics from the University of Western Australia and in 2002 acquired a Graduate Diploma in Secondary Education from Edith Cowan University. He joined GPX Surveys at the beginning of 2007 after being burnt out as a high school teacher. He has processed tens of thousands of kilometres of Airborne Electromagnetic data and has been integral in streamlining the processing workflow at GPX. He enjoys the challenges of geophysical data processing and juggling the myriad other tasks that come up each day.
adrian.noetzli@gpxsurveys.com.au

Douglas Oldenburg received a B.Sc. Honours degree in Physics in 1967 and an M.Sc. in geophysics in 1969 from University of Alberta in Edmonton. He completed a Ph.D. in 1974 at Scripps Institution of Oceanography, UCSD, in earth sciences. After a three-year postdoctoral fellowship in Alberta he joined the Geophysics and Astronomy department at University of British Columbia. He remains at UBC where he is currently Professor, Director of the Geophysical Inversion Facility (UBC-GIF) and holder of the Teck Senior Keevil Chair in Mineral Exploration. He is an honorary member of the CSEG and SEG. Doug's research career has focused upon the development of inversion methodologies and their application to solving applied problems. He, with students and colleagues at UBC-GIF, has developed forward modelling and inversion algorithms for seismic, gravity, magnetic and electromagnetic (EM) data. Doug's current research activities include 3D forward modelling and inversion of EM data, enhancing potential field and EM inversion by incorporating various types of geophysical and geological information, and development of software for unexploded ordnance discrimination.
doug@eos.ubc.ca

Derecke Palmer graduated with a BSc in 1967 and an MSc in 1976 from the University of Sydney, and with a PhD in 2001 from the University of New South Wales. He is best known for his development of the GRM, a method for processing and interpreting shallow seismic refraction data. In 1992, the ASEG presented him with the Grahame Sands Award for Innovation in Applied Geoscience and in 1995, the SEG presented him with the Reginald Fessenden Award, on each occasion for the GRM. He is a member of the ASEG, SEG and the EAGE.
d.palmer@unsw.edu.au

John Parrish earned a Ph.D. and S.M in Physics from Massachusetts Institute of Technology; and a B.S. in Physics from Loyola-Marymount University of Los Angeles. He worked on diverse projects within Shell Oil Company for 30 years as land party-chief, inventor, technological prognosticator, geophysical programming supervisor, and chief geophysicist of Pecten Geophysical Company. Dr Parrish is now an independent consulting geophysicist (PeriSeis Company). He provides geophysical advice for processing data from the Gulf of Mexico, Brazil, West Africa, Red Sea, Australia, and other areas. He is a member of the ASEG, SEG, AAPG, EAGE, GSH, and HGS.
periseis@sbcglobal.net

Raisya Noor Pertiwi is a Bachelor's Degree student majoring in Geophysical Engineering in Bandung Institute Technology, Indonesia. During her study, she received Dean's List Award from Faculty of Mining and Petroleum Engineering ITB for all 3 years. Raisya was elected to be Vice President of Society of Exploration Geophysicist (SEG) Student Chapter for ITB in 2010 to 2011 period.
raisya.pertiwi@yahoo.com

Andrew Pethick completed a Computer Science Geophysics double degree followed by a PhD researching computational geophysics with a focus on Marine CSEM. He is the sole developer of the CSEMoMatic software package and is currently working with Fugro Electro Magnetic in the area of MCSEM inversion.
Andrew.Pethick@postgrad.curtin.edu.au

Suhas Phadke serves as head of Modeling & Simulation Group and Distinguished Scientist at Computational Research Laboratory (CRL), Pune, India. He coordinates CRL's involvement in India's petroleum industry and leads various research teams to generate innovative solutions to problems in seismic imaging and reservoir characterization. He obtained his Ph.D. degree in Geophysics from University of Alberta, Canada. His professional experience spans 26 years at oil and gas

companies / service companies and research institutes. He served as General Manager with Reliance Industries Limited: Programme Coordinator of Scientific and engineering Computing Group at Centre for development of Advanced Computing, Pune; Senior Research Scientist with WesternGeco, Houston; Research scientist with TOTAL, Paris and the Research fellow with Alberta Oil Sands Technology and Research Authority, Canada.
suhasmphadke@gmail.com

Bill Pramik has served as Vice President of Acquisition Technology for Geokinetics since February, 2010 where he directs their research and development activities related to seismic data acquisition and is chairman of Geokinetics' internal patent committee. Before joining Geokinetics, Pramik was Vice President of Geophysics & Quality for PGS Onshore beginning in January, 2007. After joining PGS in January, 1995, he held various positions within PGS' Research Division as a founding member of the Geophysical Support Team. Pramik's duties at PGS included being the Global Team Leader of the Geophysical Support group. Pramik is a graduate of Virginia Polytechnic Institute and State University where he received his degree in Geophysics with an emphasis on Mathematics in 1979. Pramik worked for the Amoco Production Company from 1979 to 1995. During this tenure, he gained experience in data processing, seismic interpretation, seismic field operations, and VSP acquisition and processing. In 1989, Pramik was assigned to Amoco's Tulsa Research Center where he focused on developing job specific seismic acquisition methods along with directing the Problems and Solutions group. Pramik was selected as the chairman of Amoco's Seismic Acquisition Technology Team which was responsible for quality control of seismic survey design.
TBC

David Pratt is Director, Tensor Research. He holds a B.Sc. (Hons) and M.Sc. from the University of Sydney in Geology and Geophysics and a Ph.D. in Physics, University of Newcastle. His early career included the NSW Geological Survey, seismic processing company Digitech, and Layton Geophysical Consultants. In 1979 he worked as a geophysical consultant and in 1984 he co-founded Encom Technology. He was Managing Director from 2001 until it was acquired by Pitney Bowes Business Insight in 2007. In 2010 he started Tensor Research with two colleagues to focus on advanced potential field research. He received the ASEG Grahame Sands Award in 2010.
david.pratt@tensor-research.com.au

Ayman Qadrouh is currently working as a geophysicist for the Seismic Analysis Center in Oil and Gas Research Institute at King Abdulaziz City for Science & Technology (KACST). Ayman received his Masters degree in Petroleum Geoscience from the University of Adelaide, Australia in December 2008 and his Bachelor degree in Geology-Geophysics from King Abdulaziz University, Saudi Arabia in 2004. Ayman's research interests are in velocity model building, seismic inversion, rock physics and seismic anisotropy.
aymanqad99@gmail.com

James Reid holds B.Sc. (Hons.) and M.Sc. Degrees in geophysics from the University of Sydney and a Ph.D. in geophysics from Macquarie University. From 1999–2006 he was a lecturer in geophysics at the University of Tasmania. He is currently a Principal Geophysicist with Groundprobe Geophysics in Perth, WA. His current technical focus is on airborne electromagnetic methods.
james.reid@groundprobe.com

Hyoungrea Rim graduated from Seoul National University in South Korea and graduated with a Ph.D at the same university in 2005. He has been working in KIGAM since 2002 as a senior researcher. Hyoungrea's interests are in the gravity and magnetic areas.
rhr@kigam.re.kr

Ian Roach has a PhD in volcanology and basalt geochemistry, but has dabbled in interpreting geophysics for most of his career. Ian has worked in the gold mining industry, processed marine geophysical data at the Bureau of Mineral Resources, taught regolith geology and mineral exploration at the University of Canberra and the Australian National University, and has been interpreting regional AEM survey data for the last 4 years at Geoscience Australia to promote its use for mineral exploration and groundwater studies.
Ian.Roach@ga.gov.au

Etienne Robein graduated from the Ecole Nationale Supérieure d'Aéronautique and the Ecole Nationale Supérieure des Pétroles/ IFP in Paris in 1973. He started his career with Shell in the Hague before joining Elf, now Total, where he has worked on operational, research and managerial assignments in France and abroad. His professional experience covers seismic acquisition, processing and interpretation. In 2003 he published a text book on 'Velocities, Time-Imaging and Depth Imaging in Reflexion Seismics', and in 2010, a textbook on 'Seismic Imaging: a review of the Techniques, their Principles, Merits and Limitations', which became best-sellers EAGE Edition. Etienne was elected 'EAGE Education Tour IV' speaker in 2010 and has presented his course on 'Seismic Imaging' to more than a thousand attendees in 25 countries. He has now set up his own Consultancy Company, 'Etienne Robein Training' and delivers courses in Seismics worldwide. In 2000 Etienne was President of the EAGE, of which he has been an Honorary Member since 2009. He is a former SEG representative for Sector 7, Europe and is still an active member of this Association.
etienne.robein@orange.fr

David Robson is Chief Geophysicist and Team Leader of the Regional Mapping Program of the Geological Survey of NSW. He is responsible for overseeing statewide coverages of high resolution airborne magnetic (85% completed) and ground gravity (70% completed) data acquisitions and to ensure these data underpin the exploration of NSW. David also supervises research geoscientists by encouraging new thinking supported with documented findings, to lead to a better understanding of tectonics and evolution of the geology of NSW.
david.robson@industry.nsw.gov.au

Shuichi Rokugawa received B.S., M.S., and Ph.D. degrees in mineral resources development engineering from the University of Tokyo, Japan, in 1978, 1980, and 1983, respectively. From 1983 to 1985, he was the Deputy Chief Researcher at the Tokyo Research Laboratory. Since 1985, he has been with the University of Tokyo, where he is currently the Professor of Research into Artifacts, Center for Engineering. He was the President of the Society of Exploration Geophysicists of Japan in 2008–2010 and is currently the President of the Remote Sensing Society of Japan. His work is in the areas of Interferometric SAR processing.
rokugawa@gpl.t.u-tokyo.ac.jp

Brian Russell holds a B.Sc. in physics and geophysics from the University of Saskatchewan, a M.Sc. in geophysics from Durham University, UK, and a Ph.D. in geophysics from the University of Calgary. He worked for Chevron, Teknica and Veritas as an exploration geophysicist before co-founding Hampson-Russell Software with Dan Hampson in 1987. Hampson-Russell develops advanced seismic inversion and rock physics software for the worldwide exploration industry. In 2002 Hampson-Russell became a wholly-owned subsidiary of VeritasDGC Inc, subsequently CGGVeritas, where he is now Vice President, Software of the Hampson-Russell division. Brian was also recently appointed as one of the first two CGGVeritas fellows. His research interests include rock physics, seismic inversion and seismic attribute analysis and he is also a widely known continuing education speaker. Brian is a Past-President of both the Canadian SEG (CSEG) and international SEG and has received Honorary Membership from both societies, as well as the Cecil Green Enterprise Award from SEG (jointly with Dan Hampson). Brian is currently Chairman of both the CSEG Foundation Board and the Pacific Institute for the Mathematical Sciences (PIMS) Board. Dr Russell is also an Adjunct Professor in the Department of Geoscience at the University of Calgary and is registered as a Professional Geophysicist (P.Geoph.) in the Province of Alberta.
brian.russell@cggveritas.com

Ahmed Salem is working now as a principal Geophysicist in GETECH and a research fellow in University of Leeds. His work is concentrated in R&D for enhancing methodology of estimating depth to magnetic bodies. Ahmed Salem has introduced innovative methods and research contributions in potential field theory over a long period of time. His theoretical work on depth determination has led to wide practical applications in the interpretation of potential field data.
asks@getech.com

Daniel Sattel received his Vordiplom from Universitaet Karlsruhe, Germany in 1986 and a M.Sc. from Oregon State University, U.S.A. in 1990, working on the interpretation of seismic refraction data. He holds a Ph.D. in geophysics from Macquarie University, where he specialized in electromagnetics. He worked for World Geoscience/Fugro Airborne Surveys in Perth from 1996–2004, where he was involved in the development of EM software and the interpretation of airborne EM data. In 2004 he moved to Golden, Colorado, from where he works as an independent consulting geophysicist.
dsattel@earthlink.net

Matthew Saul is a second year PhD student at the University of Western Australia, within the Centre for Petroleum Geoscience and CO_2 Sequestration ($CPGCO_2$). His current research interest is in time-lapse seismic, with a focus on pressure sensitivity and geomechanical effects. His other professional interests include rock physics and reservoir characterisation. Matthew's PhD research is supervised by Winthrop Professor David Lumley, and Dr Jeffrey Shragge.
saulm01@student.uwa.edu.au

Jacques Sayers is a senior geophysicist with Central Petroleum Limited and is responsible for building up prospects to drillable status and developing exploration themes in the company's Central Australian acreage. He joined the company in 2011 to boost its success rate in finding and developing both conventional and unconventional resources. Jacques graduated with honours in geology and geophysics in 1984 and subsequently obtained an M. Sc. in geophysics from Durham University in the UK. He obtained his Ph.D. from the University of Adelaide, specialising in 3D seismic interpretation, fault seal analysis and structural assessment of prospects in the Gippsland Basin.
jacquessayers@centralpetroleum.com.au

Cyril Schamper is a PostDoc researcher at the HydroGeophysics Group at the University of Aarhus. Cyril completed his PhD thesis at the University of Pierre and Marie Curie in Paris on 3D modelling of frequency electromagnetic methods applied to the monitoring of reservoirs. Now he continues his work on EM methods with airborne TEM methods applied to very near-surface exploration.
cyril.schamper@geo.au.dk

Nick Sheard is a geophysicist with over 30 years industry experience. In addition, Nick – originally from Wales – is a proud member of the South Australian Crippled Crows Rugby team, and an accomplished Curler representing Australia in the World Senior Curling Championships 2009 in New Zealand (came 7th). Currently Nick is the Executive Chairman of Carpentaria Exploration Limited where he enjoys the exciting challenge of being involved with every aspect of the growing company. Nick started Carpentaria in 2007 and in only a short time the company announced their Maiden Resource in December 2010 at their Hawsons Iron Ore Project, 60 kms South of Broken Hill in NSW. Nick was most recently the Vice President for Inco Limited in Canada, managing a 250-strong exploration team for one of the world's largest nickel miners. During his tenure Inco increased their nickel resource base considerably and made at least one world class discovery. Prior to that he was the Exploration Manager for MIM Holdings Limited based in QLD, exploring for base metals and gold worldwide. Whist at MIM in his role as Chief Geophysicist, Nick managed the development of the MIMDAS (MIM Distributed Acquisition System) – a deep looking electrical geophysical tool that is now in commercial use. Nick is a Fellow of the Australian Institute of Geoscientists (AIG), a Professional Geoscientist (AIG), and a member of the Australian Society of Exploration Geophysicists.
nick.sheard@capex.net.au

Jeffrey Shragge is a Research Assistant Professor with the Centre for Petroleum Geoscience in the School of Earth and Environment at the University of Western Australia. Jeff completed his Ph.D. (Geophysics) in 2009 in seismic imaging with the Stanford Exploration Project at Stanford University. He recently was awarded the SEG's 2010 J. Clarence Karcher Award for 'young geoscientist of outstanding ability'. Jeff has worked as a geophysical consultant with 3DGeo (San Jose, CA), the Barcelona Supercomputing Center (Barcelona, Spain) and Hager Geoscience Inc. (Boston, MA).
jeffrey.shragge@uwa.edu.au

KM Shukla is a professional geophysicist with M.Sc. and MBA qualifications working as Chief Geophysicist in the Unconventional Research Group of ONGC at Dehradun, India. He has over 25 years of experience in various aspects of oil and gas exploration and projects in ONGC Ltd. Presently, he is also holding the job of Secretary for Society of Petroleum Geophysicist-India. Fields of interest: 2D-3D interpretation, depth conversion, seismic/AVO inversion, neural network, attribute analysis, reservoir characterisation, facies analysis, AVO/AVA attribute analysis, opportunity and risk evaluation,

gas hydrate exploration and discrete fracture network. He is familiar with industry standard software packages like Landmark, Kingdom suite, Petrel, Hampson-Russel, 3D/4D/ Move, Enerdeq and OpendTect.
kmshuklaspg@gmail.com

Yathunanthan Sivarajah is a PhD candidate at the Centre for Exploration and Targeting (CET) within the School of Earth and Environment at the University of Western Australia. His research mainly focuses on better understanding of the geoscientific interpretation process by quantitatively capturing and analysing human-data interactions during data interpretation process. He obtained his Bachelor's degree in the field of Electronics and Telecommunication Engineering.
20724504@student.uwa.edu.au

Ned Stolz received an honours degree in geophysics from the University of Adelaide in 1985. For the following five years he was employed by CRA Exploration on regional exploration programs in Australia targeting uranium, gold, diamonds and base metals. Between 1992 and 1997 he completed a PhD on processing of electromagnetic data at Macquarie University in Sydney. He then joined WMC and spent ten years exploring for nickel and gold deposits in the Yilgarn Province of Western Australia. Ned is currently Group Leader for Onshore Geophysics at Geoscience Australia where he supervises acquisition, processing and interpretation of government geophysical data.
ned.stolz@ga.gov.au

Elmar Strobach is a doctorate research student at Curtin University. He graduated at the Ruhr-Universitaet Bochum, Germany with a BSc (geoscience) in 2006 and an MSc (geophysics) in 2008. His previous work was the electrical characterisation of shallow aquifers and self-potential signals associated with periodic pumping tests. His current research deals with Ground Penetrating Radar and its use in hydrogeophysics.
elmar.strobach@postgrad.curtin.edu.au

Shaun Strong graduated from the University of Queensland with a first-class honours degree in geophysics (B.Sc.(Hons)) in 2003. After a short period doing gravity acquisition, he joined Velseis working in the production processing division and more recently R&D. Shaun is also undertaking a PhD at the University of Queensland. His current research interests include multi-component seismic, Vibroseis acquisition methodology, and improving seismic processing techniques.
sstrong@velseis.com.au

Devi Nath Subedi Senior Geologist of Petroleum Project, Ministry of Industry, Nepal has been working in the field of petroleum exploration and promotional activities since 1980. Mr Subedi has a Master of Science in Geology from Tribhuvan University, Nepal in 1979. He also has a Diploma in Petroleum Geology from NTH, Norway, 1988. He has carried out training in petroleum exploration, seismic interpretation and management. He has participated in a number of workshops and seminars in Calgary, Canada, Las Vegas, Denver Colorado and San Antonio, USA. His major publication is related to the geology of petroleum exploration blocks of Nepal.
devi_subedi@hotmail.com

Baichun Sun is a PhD student at the Department of Exploration Geophysics, Curtin University. His research project is seismic-while-drilling imaging. Baichun has a Bachelor degree in physics, Graduate Diploma in geophysics, and Masters degree in information systems. The seismic-while-drilling project is expected to achieve drill bit tracking and in-front-bit imaging with vibration generated by drill bit.
baichuns@yahoo.com.au

Jiajia Sun has been a PhD student with Center for Gravity, Electrical (CGEM) in the Department of Geophysics at Colorado School of Mines since 2008. He is currently working on joint inversion of multiple geophysical data sets based on structural and petrophysical constraints. He is also interested in estimation of reservoir water saturation change using 4D seismic and 4D gravity data.
jsun@mymail.mines.edu

Weijia Sun received his Bachelor degree in geophysics from Changan University, China in 2005 and his PhD in geophysics from Institute of Geology and Geophysics, Chinese Academy of Sciences (IGGCAS) in 2010. He now serves as a postdoctoral researcher at IGGCAS. His research interests focus on seismic forward modelling, seismic illumination analysis, and prestack depth migration for exploration geophysics.
weijia_sun@163.com

Sunjay Sunjay M.Sc.(Tech), Ph.D. Research Scholar, Exploration Geophysics, Dept. of Geophysics, Banaras Hindu University, Varanasi-221 005, India. Applications of seismic data processing and interpretation techniques for oil and gas (including gas hydrate and coal bed methane, shale gas), exploration and production (wavelet analysis). Experience includes geophysical data acquisition, processing and interpretation, petroleum geoscience software. Life-Membership: SPG (SEG+EAGE), AEG, IGC, IGU, ISRS, IPA, IAS, IAHS, IWRS, ISCA, YHAI, IAENG, GSAF, HPC Society, Global Petroleum Forum (GPF). Membership: IEEE(1998), ASEG(1997), SEG, SPWLA, AAPG, APG, AFES, SPE, ISSM.
sunjay.sunjay@gmail.com

Koya Suto was born in Japan. He is a B.E and M.E graduate in Exploration Geophysics from Mining College, Akita University. He studied further at the University of Adelaide. Koya has worked for the petroleum industry as a seismic geophysicist for 25 years. He translated The Microtremor Survey Method by Professor Okada, published by SEG. Koya established Terra Australis Geophysica in 2003 to service the engineering industry using the surface wave seismic method. He is Vice-president of the ASEG. He was awarded a Service Certificate from ASEG, Recognition of Merit from SEG Japan, and Honorary Membership of ASEG.
koya@terra-au.com

Ruan Swanepoel graduated in 2011 with a BSc (Hons) Geophysics form the Department of Geophysics at Curtin University, Western Australia. His Honours thesis was titled 'Cross-well electromagnetic methods for monitoring CO_2 injection into briner eservoirs'. Ruan is currently employed by BHP Billiton as a graduate geologist.
ru.89.swanepoel@gmail.com

Saman Tavakoli earned a BS in Mining Exploration from IAU, Iran (2006), MS in GIT (Geography Information Technology), University of Gävle, Sweden-University of Potsdam Germany (2008), and is currently pursuing the 3rd year of his PhD at Luleå University of Technology, Sweden. Saman is involved in a joint project, aiming to construct a 3/4D model of geology in northern Sweden using an extensive set of geophysical and

geological data. His main research interest involves 3D and 4D modelling of geological structures using potential field and geoelectrical methods for mineral exploration.
saman.tavakoli@ltu.se

Konstantin Tertyshnikov received degrees in geophysics from the Moscow State University in 2002. Konstantin worked for the geophysical service company Geoneftegaz in electromagnetic department from 2002 to 2010. During this tenure, he gained experience in acquisition of electromagnetic (EM) surveys, processing and interpretation of EM data. At the present time, Konstantin is a PhD student in the Department of Exploration Geophysics at Curtin University (Western Australia). His research is focused on seismic migration methods to application in hard rock environments.
konstantin.tertyshnikov@gmail.com

Stephan Thiel is a Postdoctoral Fellow at the University of Adelaide. After completing his PhD in 2008 he was involved in applying the magnetotelluric technique to a variety of areas from geothermal to tectonic research. He is also interested in improving modelling approaches for MT.
stephan.thiel@adelaide.edu.au

Scott Thomson is a geologist with over 30 years experience in the coal mining and energy industries. He started working in geology in the days of fireclay and grey post. He has held leadership roles in industry and has worked as a Consultant to the Coal Seam Gas (CSG) and coal mining industry for the past 15 years. He has been a Managing Director of a leading directional drilling service and technology supply company, and a Research Leader in coal seam gas associated with a major Australian CRC. Scott is Managing Director of CoalBed Energy Consultants, which provides project management, technical services, business development, due diligence and consulting services in CSG, Coal Mine Methane (CMM), fugitive emissions and related areas. CoalBed counts in its client list all of the major mining companies in Australia, and many CSG players. Scott and his son Duncan have developed a popular training course in CSG Fundamentals, which has been delivered to a range of clients in Australia and overseas. Scott has authored a number of papers, and was also the recipient of the prestigious Stefanko Award for best paper at the 2007 SME Conference in Denver, Colorado, USA for a paper titled 'A Petroleum Industry Approach to Coal Mine Drainage'. He holds a BSc in Geology from the University of Newcastle, an MSc in Geology from the University of New England and an MBA from Deakin University. He is a member of the Geological Society of Australia and the Society of Petroleum Engineers.
scott@coalbed.com.au

Benoit Tournerie received a PhD (2005) in earth sciences from the University of Rennes, France. In 1996–2006, he worked as a postdoctoral and then associate researcher at École Polytechnique de Montreal, Canada. In 2006, Benoit joined Quantec Geoscience, Toronto, Canada, where he does QAQC of the data collected in the field, and completes their inversion and interpretation. He also contributes on survey design, training of new geophysicists, and the R&D at Quantec. Benoit is a member of SEG, KEGS, and EAGE, and of professional associations APGO, APEG-BC, and OGQ.
btournerie@quantecgeoscience.com

Henk Van Paridon is a consultant geophysicist with over 30 years of experience, mainly in land seismic. He has worked for companies in the petroleum, CSG and coal industries in the design and interpretation of 2D and 3D surveys. He presents a workshop in Basic Seismic for Geologists. His current interests include getting the most out seismic data and getting to the end of this conference.
henk@geosolve.com.au

Lisa Vella joined Teck Australia Pty Ltd as a Senior Geophysicist in 2005, and has been working on several projects within Australia and Asia. Her primary focus is target generation and evaluations for gold, copper-gold, and lead-zinc deposits. Prior to joining Teck, Lisa was employed by WMC Resources Ltd for almost 12 years, working extensively in China and as far afield as Eritrea, Kazakhstan and Brazil, being involved in exploration at all scales. Closer to home, Lisa has also worked at a number of mines including Telfer, Hill 50, Pillara and Olympic Dam, to name a few.
lisa.vella@teck.com

Andrea Viezzoli received his M.S. in Physics (2002) from Bologna University, Italy. He then moved to Australia, where he earned a Ph.D. (2006) in complex conductivity methods from Monash University in Melbourne. After two years as post doc at the HydroGeophysics Group of Aarhus University, Denmark, in 2009 he joined the software and consultancy company AarhusGeophysics as managing director. He is interested in many aspects of electric (IP) and airborne electromagnetic (AEM) methods, from equipment development to data processing and inversion. Andrea is author or coauthor of more than 30 scientific papers and extended abstracts from conferences worldwide. He has earned Best Paper, Best Geophysical Paper and Honorable Mentions in conferences in Australia, South Africa and Canada.
av@aarhusgeo.com

Julian Vrbancich obtained a PhD in chemical physics from the University of Sydney in 1979 and studied molecular spectroscopy during post-doctoral appointments at universities in Bologna, Glasgow and Canberra. He joined the Defence Science and Technology Organisation in 1984 and investigated underwater 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 coastal waters and extended this work to include seafloor resistivity. He is an Associate Editor of *Exploration Geophysics* and a member of the ASEG, SEG and EAGE.
julian.vrbancich@dsto.defence.gov.au

Min Wang received a Bachelor degree in Engineering Mechanics from Dalian University of Technology (China) in 2002 and a PhD in Mechanics from Tsinghua University (China) in 2007. She joined CGGVeritas as processing geophysicist in 2007 and then worked as research geophysicist from 2009. Her research interests are signal processing especially demultiple.
min.wang@cggveritas.com

Huaihong Wang is the chief engineer of Shandong Province Bureau of Coal Geology, a non-profitable institution. He holds a Ph.D. in mineral prospecting and exploration and he has started this career since his graduation from China University of Mining and Technology. Wang has been responsible for over 50 large-scale seismic exploration projects, domestic and abroad. Now he is dedicated to deep prospecting in eastern China and specific prospecting in western China. He participates in several national scientific societies and has served as a Vice Director of

Shandong Geophysics Society. He has won the honour of being National Outstanding Scientific Researcher.
tawhh@126.com

Wei Wei received his Bachelor degree in geophysics from China University of Geosciences in 2003 and his PhD in geophysics from the Institute of Geology and Geophysics, Chinese Academy of Sciences (IGGCAS) in 2009. He now serves as a postdoctoral researcher at IGGCAS. His research interests focus on seismic survey design, seismic scattering, and prestack depth migration for exploration geophysics.
caswei@gmail.com

Robert Whiteley has BSc(Hons) and MSc degrees from Sydney University and a PhD from UNSW. He is a Senior Principal with Coffey Geotechnics and Adjunct Professor at Griffiths University. Robert has worked in government, industry, academia, at Universities in Australia and Thailand, and as a geophysical consultant for 45 years. He has completed numerous geophysics projects in Australia and in 19 countries, is the author of 125 technical papers and one book. He was a vice-president of the ASEG, a keynote speaker at the 1990 IAEGCongress, Amsterdam and at ASEG Conferences in Perth and Sydney.
bob_whiteley@coffey.com

Peter Whiting is the Senior Vice President of Technology for the Processing, Imaging & Reservoir division of CGGVeritas, based in France. He holds a Ph.D. in Applied Mathematics from the University of Sydney. Prior to his current role in CGGVeritas, Peter has worked for GSI, HGS, Digicon and Veritas in various research, technology and business roles related to seismic data processing.
peter.whiting@cggveritas.com

Ken Witherly has been involved in mineral exploration for over 40 years and has contributed directly to the discovery of a number of economic deposits. In 1999, Ken helped form a technology-focused service company that specializes in the application of innovative processing and data analysis to help drive discovery success.
ken@condorconsult.com

Yi Xie is a Research Advisor, CGGVeritas. He received a Bachelor from University of Science and Technology of China and a PhD from Tsinghua University. He joined CGGVeritas in 2000. Yi has interest and experience in research and development for seismic data processing. He is a member of SEG.
yi.xie@cggveritas.com

G.Q Xue was born in 1966, Shanxi Province, China. He is Associate Professor of CAS Key Lab of Mineral Resources. His major is in Transient Electromagnetic Method exploration and application. Experience focuses on (i) TEM Pseudo-seismic interpretation methods; (ii) TEM tunnel prediction study; (iii) large loop TEM exploration technology; (iv) study on the TEM response excited by grounded electric sources in short-offset; and (v) analysis of time-varying point charge infinitesimal assumptions in TEM field. He has contributed to new understanding of TEM pseudo-seismic interpretation, time-varying point charge infinitesimal assumptions in TEM field and essential contribution for large loop TEM, tunnel prediction TEM practical prospecting. He is the main discoverer of Sharang porphyry Mo deposit (the first case for single Mo deposit in Tibet) which has been proved to be large scale.
ppxueguoqiang@163.com

Dikun Yang received his B.Sc. and Masters degrees in geophysics in 2005 and 2008 from China University of Geosciences Wuhan, China. Since 2009, he has been a Ph.D. student at the Geophysical Inversion Facility, University of British Columbia. Dikun's research focuses on the inversion of electromagnetic data and the application of inversion techniques in mining and near-surface problems.
yangdikun@gmail.com

Oz Yilmaz received his B.S. in Geology with Geophysics Option from the University of Missouri-Rolla in 1970, M.S. in Geophysics with research in rock physics and earthquake seismology from Stanford University in 1972, and after five years in the industry, Ph.D. in Geophysics with research in exploration seismology from Stanford University in 1979. Oz has been working in the seismic industry for 38 years. He founded Anatolian Geophysical (Istanbul) in 2000, and became Chief Technology Officer to GeoTomo in Houston in 2001. He was honoured by the SEG in 1991 with the *Virgil Kauffman Gold Medal Award,* and by the EAGE in 1992 with the *Conrad Schlumberger Award*. His biography has been included in *Who's Who in the World*, 1998 edition. He was elected a member to the *European Academy of Sciences* in 2002. He was honoured by his Alma Mater University of Missouri-Rolla with an *Honorary Professional Degree in Geology and Geophysics* in 2003, by the Geophysical Society of Houston in 2009 with *Honorary Membership*, and by the SEG in 2011 with *Honorary Membership.*
oz@anatoliangeo.com

Wendy Young is currently working for Chevron as a Geophysicist on the Wheatstone team. Concurrently, she is completing her Masters of Science (Geoscience) at the University of Western Australia in the Centre for Petroleum Geoscience and CO_2 Sequestration under the supervision of W/Prof David Lumley. Prior to that, she worked at Exxon Mobil and Woodside Energy for one year each. Wendy graduated with First Class Honours in Petroleum Geoscience from the University of Adelaide in 2008 and is a member of the ASEG, SEG and EAGE.
youngw01@student.uwa.edu.au

Gerhard Zacher is application engineer at the product line phoenix|X-ray of GE Sensing & Inspection Technologies working on 2D and 3D X-ray inspection including CT measurements and interpretation. He is a geophysicist with more than 10 years experience in environmental and engineering geophysics, mainly 2D and 3D interpretation of EM data. GE Sensing & Inspection Technologies is a leading company in 2D microfocus and nanofocus X-ray inspection and high resolution 3D computed tomography.
gerhard.zacher@ge.com

Michael Zhdanov is a Full Professor of Geophysics in the Department of Geology and Geophysics at the University of Utah, Director of the Consortium for Electromagnetic Modeling and Inversion (CEMI), founder and CEO of Techno Imaging, a spin-off company from the University of Utah. He holds degrees in geophysics, physics, and mathematics from the Gubkin State University of Oil and Gas, and Moscow State University. He was previously a Visiting Professor to the Department of Geophysics at the Colorado School of Mines, Director of the Geoelectromagnetic Research Institute of the Russian Academy of Sciences, and Deputy Director of the Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation

(IZMIRAN) of the Russian Academy of Sciences. He is an Honorary Gauss Professor of the Gottingen Academy of Sciences, Full Member of the Russian Academy of Natural Sciences, Fellow of Electromagnetics Academy (USA), and Honorary Professor of the China National Centre for Geological Exploration Technology.
mzhdanov@technoimaging.com

Bing Zhou graduated from Chengdu Institute of Geology in China in 1982. Since then he has worked for the university and became an associate professor in 1992. In 1992 and 1994, he joined seismology groups at Flinders University of South Australia and International Centre of Theoretical Physics, Italy. He obtained his PhD in geophysics at Adelaide University in 1998 and then worked for Lund University in Sweden and Adelaide University in Australia. His research involves resistively and seismic modelling and inversion. He is currently a senior researcher at Adelaide University and a member of the ASEG, EAGE and AGU.
bing.zhou@adelaide.edu.au

Binzhong Zhou is a principal research geophysicist with the Geoscience Group in CSIRO Earth Science and Resource Engineering and a project leader for the project on In-Front-of-Bit Imaging in the Deep Exploration Technologies Cooperative Research Centre. He received his BSc (1983) and MSc (1986) from Chengdu University of Technology, and his PhD in 1993 at Flinders University. His current research interests include seismic data processing and interpretation for coal and petroleum industries and applying geophysical techniques to mining problems such as the delineation of deposits, the production of coal and metalliferous ore, mine planning and mining risk reduction.
Binzhong.Zhou@csiro.au

Visit us at resort booth 61 & 63 at ASEG 2012

We love a challenge

zonge

So next time you need a survey, call Zonge

- experienced, safe teams ready to tackle any survey or geographical location
- surveys designed to meet your requirements as efficiently as possible
- quality data second to none
- highly responsive service
- wide range of electrical ground geophysical techniques

Call Zonge today +61 8 8371 0020
e zonge@zonge.com.au
w zonge.com.au

Electrical geophysical solutions
Resource exploration, environmental and geotechnical applications

ELLIOTT GEOPHYSICS AIRBORNE DIVISION

AEROMAGNETIC SURVEY

Elliott Geophysics is an Australian based company and started operating in Australia in 1987, first as a Partnership and later as a Corporation. It incorporated as Elliott Geophysics Ltd. in 1990, and then as Elliott Geophysics International Ltd. in 1996.

The company's principal expertise lies in minig geophysics as applied to metalferrous deposits, coal, and oil, but the company also has experience in geophysical surveys over toxic waste dumps, construction sites, pipeline routes, tunnels and other geotechnical projects. Methods most often used by EGI include aeromagnetics, electrical methods, downhole surveys, gravity, and high resolution shallow seismic (marine and land). The company also offers GPR surveys for special applications.

Elliott Geophysics International Ltd. is the parent company for PT Elliott Geophysics Indonesia. The President Director is Dr. Peter J. Elliott who is a graduate of the University of Melbourne and Macquarie University in Australia. Dr. Elliott has had some 30 years experience in mining geophysics.

PT. Elliott Geophysics Indonesia provides logistical and technical support to other contract companies with specialized expertise in areas not immediately covered by EGI's own in-house expertise.

In December 2001, Elliott Geophysics opened a branch office in Manila, Philippines. The Philippine Comany trade under the name of Independent Exploration Services Inc. Elliott Geophysics has been operating in the Philippines over the last six years.

During the past 20 years Elliott Geophysics has completed over 300 contracts, for more than 100 clients, throughout the world; including countries such as: Australia, Indonesia, India, Paua New Guinea, New Zealand, Philippines, Myanmar, etc.

PRINCIPAL OFFICE
Elliott Geophysics International Pty. Ltd.
PO Box 1307, Booragoon, WA 6954
Australia
Ph: 08 9434 1250
Fax: 08 9310 8669
Email: elliottgeophysic@aol.com
www.geophysicssurveys.com

INDONESIAN OFFICE
PT.Elliott Geophysics Indonesia
Jl. Poncol Raya, #11, RT003/RW07
Gandaria Selatan, 12420 Jakarta
Selatan, Indonesia
Ph: +6221 750 3477
Fax: +6221 7591 1432
Email: geofisik@cbn.net.id
www.geofisik.com

PHILIPPINE OFFICE
Independent Exploration Services
Suite 25F Pearl of the Orient Tower
1240 Roxas Boulevard, Ermita,
Metro Manila 1000, Philippines
Ph: +632 523 6483
Telefax: + 632 525 2739

INDIA OFFICE
Elliott Geophysics India Pvt. Ltd
Unit M-5, Munish Plaza,
20 Ansari Road, Darya Ganj
New Delhi, India
Cell: +91 99100 29050
Email: elliottgeophysic@aol.com