



SECTION 5
BIOGRAPHIES

YOUSUF AL JABRI is a PhD student in Exploration Geophysics Department at Curtin University of Technology. He completed his Honour Degree in Geophysical Sciences from Leeds University in June 2006. His research interest areas are seismic acquisition, processing and interpretation. Currently, he is researching an integrated approach to study the effects of Time-Lapse Seismic for Monitoring CO₂ in Otway Basin, Naylor Field, Australia. He is a member of OBPP. He is sponsored by Petroleum Development Oman and is a member of SEG, EAGE, ASEG, SPE, AAPG and PESA.

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ABDULLAH AL RAMADHAN is a PhD student with Department of Exploration Geophysics, Curtin University of Technology, Perth, Australia. He holds a BSc in Geophysics and MSc in Mathematics from KFUPM, Dhahran, Saudi Arabia. He joined Saudi Aramco in 1986 and worked in the Exploration Division for more than 13 years as a professional geophysicist, mainly as seismic data processor for both 2D & 3D land data. Abdullah also spent 5 months with Halliburton Geophysical in Houston. He is a member of SEG, EAGE, SPE and ASEG. His areas of interest include seismic data imaging and reservoir characterisation using passive sources.

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M. N. ALAMSYAH is a Geophysicist at PetroChina International Jabung Ltd., Indonesia. His main expertise is in seismic interpretation and reservoir characterisation. In the last 5 years he has been working on Geoscience environments in Academic/ Institutional and Oil & Gas Industries. He is a Member of Society of Exploration Geophysicists (SEG), Indonesian Petroleum Association (IPA), Indonesian Association of Geophysicists (HAGI) and Indonesian Association of Geologists (IAGI). He has published national and international papers.

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MUBARAK ALI has been an Assistant Prof. at Sultan Qaboos University since 2001. He started his teaching career in 1972 after completing his MSc in Geophysics from Pakistan in 1970, then earned a PhD in the UK in 1983, working on shear waves to improve seismic modelling of Lewesian rocks. He has served at the Quaid-e-Azam University (Pakistan) for more than two decades, remaining involved in applications of geophysics in a variety of problems such as natural resources, geotechnical, and crustal studies. Applied Geophysics is his area of interest. He also worked with the High Resolution Seismic Reflection group of Kansas Geological Survey (Kansas University, Lawrence).

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DAVID ALLEN manages Groundwater Imaging Pty Ltd from Dubbo, Central NSW, having completed his PhD in Groundwater Management at the University of Technology, Sydney in 2007. He is involved in the development and application of towed geophysical devices in the groundwater and minerals exploration industry. Using experience gained during ten years with Geoterrex/Fugro as a project geophysicist, David has developed galvanic and electromagnetic systems for rapid electrical conductivity imaging of sediment beneath inland waterbodies and cleared land.

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DOMINIK ARGAST is a software engineer working for Intrepid Geophysics, a software provider in Melbourne, Australia, specialising in the use of computer methods for oil, mining and geophysics. Before joining Intrepid Geophysics he completed a PhD in Astrophysics at the University of Basel, Switzerland, and was working for several years as a research fellow at the Physics

Institute of the University of Basel and the Centre for Astrophysics and Supercomputing of Swinburne University of Technology in Melbourne. At present, he is responsible for the mathematical development and scientific integrity of the geophysical applications provided by Intrepid Geophysics.

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

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GRAHAM BAINES is a potential field geophysicist whose research integrates geological observations with geophysical data, in order to understand the geodynamic evolution of Earth's lithosphere. Having completed undergraduate studies in Geology and Geophysics at the University of Liverpool, UK, he undertook PhD research in Geophysics at the University of Wyoming, USA. His PhD research constrained the tectonic evolution of >130 000 km² of oceanic lithosphere at the Southwest Indian Mid-Ocean Ridge. Having completed his PhD in mid-2006, Baines took up a postdoctoral position at the South Australian Centre for Mineral Exploration Under Cover at the University of Adelaide, where he uses geophysical techniques to constrain the basement architecture and evolution of the buried Archean-Mesoproterozoic Northern Gawler Craton.

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JOHN BANCROFT is a faculty member of the University of Calgary and a Senior Research Geophysicist with the CREWES consortium. He specialises in static analysis, velocity estimation, and seismic imaging that includes anisotropic and converted-wave prestack migration. John is an Instructor for the SEG, which has published two of his volumes on poststack and prestack migration. He has received best paper awards at the 1994 SEG convention, 1995, 2003, and 2006 CSEG National Convention, and the Laric Hawkins Memorial Award at the 2001 ASEG Conference. He was elected an Honorary Member of the CSEG in 2005.

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ERIC BATTIG graduated with a BSc (1st Class Honours) in 2000 from The University of Queensland. He was employed by MIM Exploration where he worked on a wide variety of projects both within Australia and in Central and South America. There he was involved in all aspects of exploration and environmental geophysics from acquisition through to project management. In 2003 Eric spent 7 months working as a consultant Project Geophysicist to Xstrata Copper in Argentina and Northern Chile, responsible for ground and airborne geophysical surveys. In 2004 he joined the GRS team, supervising data acquisition and providing geophysical support to clients in many different geological environments.

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CRAIG J. BEASLEY holds a PhD degree in Mathematics and since 1981 has served in several capacities in the Computer Sciences, R&D and Data Processing Departments of WesternGeco including VP of R&D and VP of Data Processing. He has received 2 Litton Technology Awards, a Performed by Schlumberger Silver

Medal and the SEG Award for Best Presentation and served as the Esso Australia Distinguished Lecturer. He is an Honorary Member of the Geophysical Society of Houston and Foreign Member of the Russian Academy of Natural Sciences. He has presented papers 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 2001–02 SEG 1st Vice President and as the 2004–05 President of the SEG. Currently, he is Vice President for WesternGeco and a Schlumberger Fellow and is serving as the Chair of the newly formed SEG Committee for Geoscientists Without Borders.
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SERGEY BIRDUS currently works as a Depth Processing Supervisor with CGGVeritas in Perth. After receiving his PhD in Geophysics in Kiev University in 1986 he worked as a lecturer for Kiev University, a researcher in R&D departments of major Russian service geophysical companies and in several positions with Paradigm Geophysical in Moscow and Perth before joining CGGVeritas in 2006. Sergey is involved in challenging depth processing projects throughout Asia-Pacific region.
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WILLEM BOTHA started his career as a Geophysicist at the Geological Survey of South Africa in 1970. In 1980 he completed his PhD in Exploration Geophysics at the Colorado School of Mines specialising in electromagnetic techniques. After 4 years in Canada, he returned to South Africa and accepted the Chair of Professor in Geophysics. After 16 years at the University, he took an early retirement and accepted a post as manager of Geophysical Exploration at a South African iron ore company.

Through his career he has been involved in base metal, iron ore, diamond, uranium, mineral sands, coal and ground water exploration in Canada, the USA, the DRC, Zambia, Namibia, Senegal, Mauritania, Madagascar, Botswana and South Africa.
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PETER BOULT gained his BSc in Geology from Leeds University in 1976. Worked in the mining for 2 years before moving to petroleum where he has over nearly 30 years of experience. He did his PhD at UniSA part time on seals. His current research interests are structural validation and seismic processing. He recently left his position as Chief Petroleum with PIRSA to start his own business.
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EDWARD BOWEN graduated from Macquarie University in 1970 with Honours in Geophysics and Structural Geology. As a Geophysicist, and later Chief Geophysicist for Amax Exploration he worked on a wide range of mineral and coal exploration projects throughout Australia, the South Pacific and South-East Asia. Subsequently, he joined Robertson Research as Chief Geophysicist and worked extensively on World Bank funded assessments of the petroleum potential of basins in Papua New Guinea and the Philippines. Later, he was invited to join the staff at Macquarie University where he held an Associate Professor's position for 6 years.

Currently, he manages the Southwest Margin Project within the Petroleum Prospectivity and Promotions Group of Geoscience Australia.

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STUART BREW graduated from Aston University in the UK in 1969 in Mathematics and Physics and has been involved in oil & gas exploration since that time. He has had roles in the Middle East, North Africa and West Africa where he specialised in seismic land acquisition and processing. He joined Santos' Operations Geophysics group in 1991 and is now involved with seismic activities in Australia and South East Asia.
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ROSS BRODIE works in the Onshore Energy and Minerals Division at Geoscience Australia. He graduated from the University of Queensland in 1990 with a BSc in Applied Geophysics. In 1991, after short stints logging chips and some seismic refraction processing at Velseis, he moved to Canberra to join GA to carry out airborne magnetic and gamma-ray data acquisition and processing. Since 1998 Ross has been closely involved with the uptake of AEM for salinity mapping. He has recently submitted a thesis resulting from PhD research work carried out at the Australian National University.

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TIM BUNTING is the WesternGeco Geophysics Manager for the Asia and South Asia region and a Schlumberger Principal Geophysicist. He has worked for WesternGeco, since graduating from Staffordshire University in 1990. Over this 18 year period he has held various technical roles, including six years offshore as a Field Geophysicist, 6 years in the Oslo technology Centre, and several technical support and survey design positions.

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NIGEL CANTWELL is a Senior Geophysicist working for Resource Potentials Pty Ltd, based in Perth, Western Australia. He graduated from Curtin University of Technology in 2003 with 1st Class Honours in Geophysics. He has five years of experience in the design, processing and interpretation of high resolution geophysical surveys for multi-national mining and exploration companies both in Australia and overseas. He is a current member of the ASEG.

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

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RICHARD CHOPPING is a geophysical researcher at Geoscience Australia. His current research is in predicting the geophysical response of alteration, as well as researching methods that may be used to detect alteration systems under cover using geophysical techniques. Richard is currently studying for an MSc in Earth Physics at the Australian National University; he obtained his BSc (Hons) in Geophysics and Computer Science from the University of Tasmania in 2004.

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

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ROGER CLIFTON has been a geophysicist at the Northern Territory Geological Survey in Darwin since 1992. He started at BMR in 1968 and went bush in the nickel days, collecting IP over claims around Windarra. Using VLF, he found the sulphide shear that became the Karonie Gold Mine. He moved on as a programmer with Nixdorf and returned to run two small materials science laboratories near Perth. Later he taught assorted physics at Curtin University, and became Senior Research Fellow at WASM in Kalgoorlie.

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GORDON COOPER is a professor of Geophysics at the University of the Witwatersrand, Johannesburg, South Africa. He has a BSc (Hons) in Physics from Manchester University (UK), an MSc in Geophysics and Planetary Physics from the University of Newcastle upon Tyne (UK), and a PhD in Geophysics from the University of the Witwatersrand. His main research area is the enhancement of potential field data, but he has published in fields as diverse as climatology and nuclear physics. He is a member of the ASEG, SEG, AGU, SAGA, IAMG and the Institute of Physics (UK).

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MARINA COSTELLOE received a BSc (1991) and a Grad. Dip. Sci. (1992) in Geology and Geophysics from the University of Sydney and in 2004 an MSc in mine site rehabilitation from James Cook University. Working for Geoterrex between 1992–98 she specialised in AEM techniques. Marina is currently a Geophysicist in the Airborne Electromagnetic Acquisition and Interpretation Project at Geoscience Australia, Canberra. The programs focus is to acquire pre-competitive geoscience information for onshore energy prospects.

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DUNCAN COWAN is a consultant geophysicist specialising in interpretation of magnetic, gravity, radiometric and electromagnetic data with emphasis on computer techniques for data enhancement, analysis and dataset integration. He graduated from the University of Nottingham, England with a BSc Hons in 1963 and a PhD in 1966. He has over 40 years experience in exploration geophysics and geology and has worked on all continents except Antarctica. He is an adjunct Research Fellow in the University of Western Australia. His research interests include iron ore, kimberlites and lamproites, inversion of potential field data, aeromagnetic gradiometers and rock and mineral magnetism. He lectured at the Royal School of Mines, Imperial College, London, from 1978 to 1989. He is a member of the ASEG, SEG, EAGE and the International Association for Mathematical Geology.

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ED CUNION is a consulting geophysicist based out of Gaborone Botswana. He has been involved in mineral exploration in southern Africa for 23 years, 18 of those years for Rio Tinto. He has also partaken in crustal scale surveying and kimberlite field studies using regional magnetotelluric, seismic, and gravity data, and geostatistical ore reserve modelling and open pit design.

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TANIA DHU is a project geophysicist for the Minerals and Energy Resources Group, Primary Industries and Resources, South Australia. She is also currently studying a PhD investigating scale lengths in electromagnetic data at the University of Adelaide. She has undertaken field work in gravity, radiometric and electromagnetic methods within South Australia and worked with various processing and modelling techniques.

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Absolute Geophysics operates a unique total field EM system with particular utility in nickel exploration. Andrew has a background in the development of technology for electrical geophysics, EM in particular. His experience includes the development of airborne EM systems and distributed systems for geophysical measurements.

One of his interests is EM techniques for highly conductive targets.

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MAZIN FAROUKI has a BSc degree in Physics from the University of Manchester, UK, and over thirty years industry experience in seismic data processing and related fields, mostly with seismic contractors on overseas assignments. He has lived

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DES FITZGERALD is the Managing Director and principal owner of Intrepid Geophysics (which he established in 1977), a software provider specialising in the use of computer methods for geophysical methods of exploration for oil and minerals.

His major projects include: the development of the 'Intrepid' geological processing system (software) with Geoscience Australia (GA); a complete compilation of Australian regional geophysical maps (both on shore and offshore) for magnetics, gravity, and bathymetry, in partnership with GA; and liaising with the French Geological Survey to develop and promote new technology for 3D geological mapping (3D GeoModeller) software integrated with potential field geophysics. The current work on tensors includes advice and supply of custom software for the new IPHT low temperature SQUID instrument for Anglo and DeBeers.

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TANYA FOMIN has an MSc in Geophysics from the St. Petersburg Mining University in Russia. After her graduation she worked in the research group of the Geophysical Department at St. Petersburg Mining University and was involved in processing and interpretation of reflection, refraction and VSP data from the Kola Superdeep Bore Hole and its region. Since 1996 she has worked as geophysicist in Geoscience Australia. Her projects include work on seismic processing and interpretation of reflection, refraction/wide-angle seismic data collected in the different regions of the Australian continent from shallow to deep crustal scales.

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CLIVE FOSS is Principal Consultant at Encom Technology, where he works in the Advanced Technical Services consulting group, and also contributes to the development of potential field modelling software, particularly Modelvision Pro. Clive has a degree in Geophysics from Reading University, and a PhD for palaeomagnetic studies in southern Africa from Leeds University. Clive's principal research interests are in the inversion of gravity and magnetic field data, application of gravity and magnetic methods to geological mapping, source depth estimation from magnetic field data, and rock magnetism.

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Barry has held positions with Santos, Bridge Oil Ltd, Kuwait Foreign Petroleum Company and Phillips Petroleum. He holds BSc and MSc degrees in Geology from the University of New York and University of Missouri respectively.

Barry is a past President of PESA and has served on the Boards the Australian Geoscience Council and the Federation of Australian and Technologic Societies. In recognition of his work for the betterment of geoscience, Barry received the AAPG's Distinguished Service Award in April 2008.
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RON HACKNEY graduated from the Australian National University with a BSc (Hons) in 1993 and completed an MSc at Victoria University of Wellington (NZ) in 1995 and a PhD at the University of Western Australia in 2001. This was followed by a Postdoc at the Free University of Berlin and a Junior Professorship at the University of Kiel. Ron returned to Australia in January 2008 to take up a geophysicist position within the Marine and Petroleum Division of Geoscience Australia.
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PHILIP HEATH received his PhD in Geophysics from the University of Adelaide in 2007. His research involved an analysis of gravity and magnetic gradient tensor data. While his thesis was being reviewed, he worked as an operator and processor for the airborne gravity survey company Canadian Micro Gravity, undertaking field work in Africa and England. Currently he works at PIRSA where his duties involve preparing data for release on SARIG, and undertaking relevant research relating to geophysics in South Australia.
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BRUCE HOBBS graduated in mathematics and for most of his career was an academic at Edinburgh University Geophysics Department specialising in EM. In 2004 he co-founded, with Anton Ziolkowski, a spin-out company MTEM Ltd which was acquired by PGS in 2007. He is currently Head of Research at PGS-EM.
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