SECTION 5
BIOGRAPHIES

HOSSEINZADEH ABDOLSAMAD has finished his Masters degree in Petroleum Geosciences (Geophysics major), at Institute Francais de Petrol (IFP) School in Paris, France, and in Petroleum Exploration Engineering at Petroleum University of Technology in Tehran, Iran (in Dual Degree Program). He has also attended R&D department of CGGVeritas working on his thesis.
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LAURENT AILLERES obtained a Doctorate in Geosciences from the INPL in France in 1996. Laurent's doctorate focussed on Structural Geology and numerical methods applied to finite deformation restoration in the Western Alps. Since then, a senior research fellow at Monash University, Laurent has developed a strong background in field and quantitative structural geology; 3D modelling of geological structures and 3D potential field inversions. Recently, Laurent has focussed his research in developing methodologies that couple 3D geological modelling and geophysical inversions and applied them to numerous geological problems including crustal structuring, igneous provinces, mine resources development, exploration targeting and terrane analysis.
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DAVID ANNETTS has been fortunate to be able to intersperse periods of study with periods of gainful employment by industry and academia and earn BSc(Hons) and MSc from the University of Sydney and a PhD from Macquarie University. He has studied electromagnetic prospecting in various forms since 1988, modelling surface, down-hole and airborne surveys in environments ranging from massive sulphide deposits through the regolith to mapping variations in ice thickness and bathymetry. In his current role with CSIRO, he models electromagnetic applications for the petroleum industry. His scientific interests include forward and inverse electromagnetic modelling and applications of computer algebra.
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BRAD BAILEY is a geophysicist with an Honours degree in Exploration Geophysics from Macquarie University, Sydney. Prior to joining Schlumberger in early 2008, Brad obtained a diverse mix of academic and industry experience including spending one year working as a geologist/geophysicist in the mining industry, a year as an environmental geophysicist and four years academic research in the field of Antarctic geophysics. His current position is as a Reservoir Seismic Inversion Geophysicist within Schlumberger's Reservoir Seismic Services team in Perth, Western Australia. Brad specializes in seismic inversion, geological interpretation and attribute analysis.
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SERGEY BIRDUS currently works as a Depth Processing Supervisor with CGGVeritas in Perth. After receiving a 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. He is involved in challenging depth processing projects throughout the Asia-Pacific region.
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CHRISTOPHER BISHOP completed a Physics degree at Murdoch University in 1994 continuing with a Graduate Diploma and Honours in Geophysics at Curtin University. The Honours project involved the measurements of petrophysical properties from the Wiluna ore lithologies to assist in analysing the Geophysical signatures and in modeling. Chris later collected data in ground geophysical crews and subsequently took up a technical role at Geosoft, teaching the software and delivering solutions to clientele. Now in an Account Executive role at Geosoft Australia he has turned his focus to hydrocarbon exploration for a Masters degree (Petroleum Geoscience) at the University of Western Australia.
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IRINA BORISSOVA is a senior geoscientist in Southwest Margin Project. She graduated from Moscow State University and in 1985 gained a PhD from the Russian Academy of Sciences in marine geology and tectonics. Since joining Geoscience Australia in 1993 she has contributed to a number of projects, particularly to the Law of the Sea and geological studies of frontier areas. Irina has been working on the Southwest margin since 2001, first on the Naturaliste Plateau and later on the Vlaming Sub-Basin and the Mentelle Basin. Currently Irina is managing the Mentelle Basin study.
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AARON DAVIS graduated from RMIT in 2007 with a PhD in Applied Physics, slaving under the tutelage of Professor James Macnae for four long years. After graduation, he had the privilege of conducting research with Jim as a postdoctoral fellow. Since then, Aaron has gone on to work for Geoscience Australia as a geophysicist, specialising in airborne electromagnetic methods for minerals and groundwater exploration.
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JOHN DENHAM graduated from Sydney University in 1962 and worked for the next ten years in seismic data acquisition, in Australia and PNG. For the next twenty-two years he held a variety of positions with BHP Petroleum Pty Ltd, including that of Chief Geophysicist, and was involved in a number of innovations in seismic data acquisition, processing and interpretation. His duties involved BHP's worldwide exploration activities. A member of the ASEG since 1971, he was editor of *Exploration Geophysics* from 1994 to 2000, and was an initial member of the ASEG Research Foundation Committee, a position he retains. A consultant since 1994, he is now largely retired.
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BRUCE DICKSON is a physical chemist by training with a long background in radiation measurements and computer-assisted data processing (he did a PhD using Mossbauer spectroscopy). He worked for nearly 30 years with the Australian national research organization, CSIRO, on a variety of aspects of application of radiation measurements to mineral exploration. His work covered aspects of uranium grade control, uranium exploration using ground waters, radioactive disequilibrium in uranium deposits, the processing and interpretation of aerial gamma-ray surveys and on visualizing and interpreting complex data sets. He is currently running his own consultancy where he continues to develop and apply methods in all these areas.
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MARK DRANSFIELD has 25 years experience with airborne gravity gradiometry, with highlights including his doctorate in 1994 and the development of the first airborne gravity gradiometer as part of BHP Billiton's Falcon team. He has published a number of peer-reviewed papers and presented at many conferences. The Falcon team won several awards for their pioneering efforts including a CSIRO Research Medal and an ASEG Grahame Sands Award for Technical Innovation in Exploration Geophysics. Mark's experience includes instrument development, data processing development, interpretation, operations, training and management. Mark was the manager of BHP Billiton's Orion Operations group for 2006–2007. He is now Chief Geophysicist for Fugro Airborne Surveys.
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JARROD DUNNE is a geophysicist at Nexus Energy in Melbourne. Prior jobs with Shell International and Woodside contributed to his special interest in seismic amplitude interpretation and its role in exploration and development. In 1996 he completed a PhD at Melbourne University focussing on seismic processing of deep seismic data from the Gippsland Basin. More recently his interests have broadened into petrophysics, rock physics, seismic interpretation and portfolio management. He is a member of the ASEG and SEG.
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KHALID ESSA received a BSc (1997) in Geophysics and a MSc (2001) in Geophysics from the Faculty of Science, Cairo University, and a PhD (2004) in Geophysics from the Faculty of Science, Cairo University. He joined the staff of Cairo University in 1997 and was appointed a research associate professor of potential field methods in the Department of Geophysics in 2009. He has authored and co-authored more than 25 technical papers and served as a visiting scholar in USA. He was awarded Cairo University International Publications Awards (2007, 2008 and 2009). He attended several International Geophysical Conferences in USA and Egypt. Khalid is a member of the Society of Exploration Geophysicists (SEG), American Association of Petroleum Geologists (AAPG) and the Egyptian Geophysical Societies.
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DES FITZGERALD is the Managing Director and principal owner of Intrepid Geophysics, a software provider specializing in the use of computer methods for oil, mining and geophysics. Des has over 30 years experience with Intrepid Geophysics (established 1977). 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 Geoscience Australia (GA); and liaising with the French Geological Survey to further 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

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CLIVE FOSS is a senior geoscientist with CSIRO, specialising in geophysical inversion, and with particular responsibility for the CAGI (Computer Aided Geological Interpretation) Project. He has a BSc in geophysics from Reading University and a PhD from Leeds University. Clive lectured in Applied Geophysics at the University of Malaya before joining the BMR Indonesian-Australian Geological Mapping Project. He worked for 13 years with Encom Technology developing potential field modelling software and consulting in minerals and petroleum exploration worldwide. Clive's main research interests are in recovering geological information from interpretation of gravity and magnetic field data, inversion of gravity and magnetic data, and interpretation of anomalies due to remanent magnetization.
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ADRIAN GOLDBERG obtained his MSc degree at Monash University in 2000 studying rift tectonics and structural controls on rift-related dyke swarms. He has since worked in geological and geophysical roles in the mineral and petroleum sectors. His interests encompass quantitative seismic interpretation, rock physics, qualitative structural seismic interpretation, geomechanics, 3D reservoir modelling, structural analysis and petroleum discovery. He is a member of ASEG, SEG and PESA.
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