

## How the ASEG compares to sibling associations

Having been a member of the ASEG Federal Executive for 10 years you would think that I would know a lot about the like-minded organisations in other countries, but I'm finding out quickly that I do not. I learnt a fair bit about publishing, being the Publications Chairman, but that only really exposed me to the SEG, to SEG Japan (SEGJ) and the Korean SEG (Korean Society of Earth and Exploration Geophysicists, KSEG). Notwithstanding our august parent body, SEG, this article considers our siblings, most of whom have a shared parentage, and how we might better interact.

The SEGJ is considerably older than ASEG. It was established in 1948 with objectives relating to the promotion of the science and technology of geophysical exploration. SEGJ has had up to 1500 Active Members, 150 Corporate Members and 60 Student Members, although those figures have diminished a little of late. The first issue of their journal, *Butsuri-Tanko* ('Geophysical Exploration'), was published just a month after the Society was established.

The KSEG was established in 2007 by the merger of the Korean Geophysical Society and the Korean Society of Exploration Geophysicists, which brought together more than 700 members interested in both pure and applied geophysics with the Korean language publication *Jigu-Mulli-wa-Mulli-Tamsa* ('Earth and Exploration Geophysics').

While *Butsuri-Tansa* (the journal was renamed in 1986) primarily publishes papers in Japanese, many Japanese authors wanted to reach more readers internationally by publishing their papers in English. So, in October 2001, when SEGJ held its conference in Fukuoka, Koya Suto was asked if it would be possible to establish a joint journal between SEGJ and ASEG. Since ASEG was contemplating expanding its activities to Southeast Asia a joint journal covering the western Pacific was considered to be an ideal vehicle to promote geophysics in the region. The proposal was put to the ASEG Federal Executive and it was decided that such a publication would make a positive contribution towards international collaboration.

SEGJ and KSEG delegates met with ASEG executives at the ASEG

Conference in Adelaide 2003 and the idea of a yearly joint issue of the regular journals emerged as the preferred option. To facilitate page numbering of the different journals we began with the first issue of each in 2004: *Exploration Geophysics* (vol. 35, no. 1) of the Australian SEG, *Butsuri-Tansa* (vol. 57, no. 1) of the SEG of Japan, and *Mulli-Tamsa* (vol. 7, no. 1) of the Korean SEG. The papers were peer-reviewed within each Society and each Society nominated an Editor for the first issue each year to work with the ASEG Managing Editor, Lindsay Thomas. The ASEG Managing Editor also helped refine the English in papers of Japanese and Korean origin. Following this successful launch the three Societies have since extended the agreement to cover all four issues. The commencement date for the combined journal was January 2012 with Mark Lackie as Managing Editor.

Several ASEG Members have raised the possibility of expanding *Exploration Geophysics* to include other societies, which is the point of this article. What other societies have been suggested and, indeed, which have raised the issue themselves?

Himpunan Ahli Geofisika Indonesia (HAGI) have, in fact, asked SEGJ about a joint English publication. Naturally SEGJ's response was to approach ASEG. Many Australians work in Indonesia so a joint publication would assist in publicising their work for the benefit of both Australian and Indonesian geophysicists. But what of HAGI? Their main technical publication, called *Jurnal Geofisika*, is published every two months. Besides their technical journal they also publish a magazine called *Buletin Resonansi*, which discusses less formal topics, not unlike *Preview*. In 2013 HAGI began a bi-weekly electronic newsletter, *TechWatch E-Newsletter*, which covers technical news of a more urgent nature. I have not been able to determine their total membership numbers, but given the numbers of offices spread across the archipelago and elsewhere it would seem to be quite large.

Another region many Australians are drawn to is Africa, so naturally the South African Geophysical Association (SAGA) has been suggested as a possible collaborator. SAGA was founded in 1977

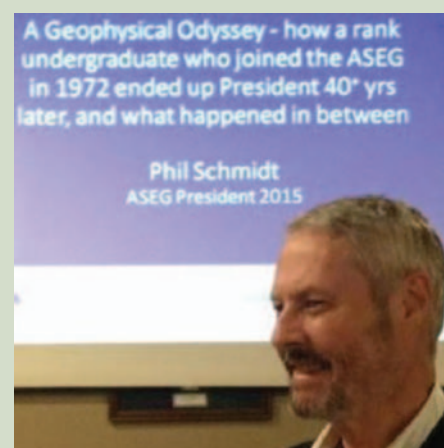
to foster and encourage the development of geophysics in South Africa and has since grown to over 350 Members worldwide. SAGA publish a newsletter but no peer-reviewed journal.

Another like-minded organisation, but without a peer reviewed journal, is the Canadian Exploration Geophysicists Society (KEGS), which was established in 1953 to support, nurture and promote geophysics at university, governmental and industry levels, in a spirit of kinship and openness for scientific advancement (much the same as ASEG). KEGS reaches out to more than 900 geoscientists worldwide, although their membership numbers are unclear.

Then there is the Sociedade Brasileira de Geofisica (SBGf) for those working in South America, well, some areas anyway.

I suggest ASEG Members get along to their local Branch Meetings to discuss possible further expansion of *Exploration Geophysics*. Are you happy with the ASEG-SEGJ-KSEG amalgam? Are you in favour of the inclusion of other organisations? Let your Branch President know so they might better inform the Federal Executive. It is your association!

Nothing too much happened with the drone in the past couple of months; such is R&D.

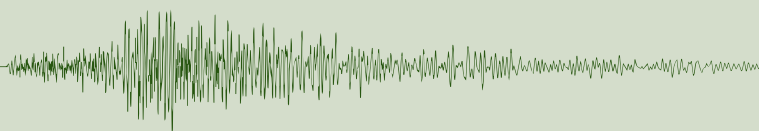


Phil Schmidt  
ASEG President  
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## Welcome to new members

The ASEG extends a warm welcome to 35 new members approved by the Federal Executive at its May, June and July meetings (see table).

First name	Last name	Organisation	State	Country	Membership type
Zubair	Ahmed	Curtin University	WA	Australia	Student
Xavier	Amblard	CGG	WA	Australia	Active
Jeremy	Barrett	Southernrock Geophysics S.A.	Metro	Chile	Active
Samuel	Connell	University of Adelaide	SA	Australia	Student
Manon	Dalaison	The Australian National University	ACT	Australia	Student
Aidan	Fitzallen	Coffey	NSW	Australia	Active
Matthew	Greenwood	Queensland Department of Natural Resources and Mines	QLD	Australia	Active
Shakira	Heffner	University of Queensland	QLD	Australia	Student
Bonnie	Henderson	Adelaide University	SA	Australia	Student
Jacob	Jackson	Curtin University	WA	Australia	Student
Sam	Johnston	University of Queensland	QLD	Australia	Student
Anthony	Jumeau	Senex Energy Limited	WA	Australia	Active
Ben Vincent	Kay	University of Adelaide	SA	Australia	Student
Adrian Misael	Leon Sanchez	Education Superior de Ensenada, Mexico	Baja, CA	USA	Student OS
Yong	Ling	Curtin University	WA	Australia	Student
Angus George	Love	University of Adelaide	SA	Australia	Student
Christopher	Mathews	University of Queensland	QLD	Australia	Student
Jiajia	Miao	Jilin University	Jilin	China	Student
Sophie Marie	Monnier	University of Western Australia	WA	Australia	Student
Muhammad	Muhammad	Dawood University of Engineering and Technology		Pakistan	Student OS
Aime	Nganare	James Cook University	QLD	Australia	Student
Stephen David	Oniszk	University of Adelaide	SA	Australia	Student
Dane	Padley	Curtin University	WA	Australia	Student
Yanfu	Qi	Jilin University	Jilin	China	Student
Liam	Reidy	University of Adelaide	SA	Australia	Student
Yan	Ren	Jilin University	Jilin	China	Student
Elyse	Schinella	Freehills Patent Attorneys	NSW	Australia	Associate
Victoria	Seesaha	Monash University	VIC	Australia	Student
Jordan	Sheehan	Beach Energy	SA	Australia	Active
Jacob	Smith	ffA – Geo Teric	WA	Australia	Associate
Matthew	Smith	Macquarie University	NSW	Australia	Student
Elliot	Steel	University of Queensland	QLD	Australia	Student
Deepika	Venkataramani	University of Newcastle	NSW	Australia	Student
Steven	Wiseman	Schlumberger	WA	Australia	Active
Dahai	Zhang	University of Queensland	QLD	Australia	Student



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## The 2015 ASEG Research Foundation awards

The ASEG Research Foundation is pleased to announce the 2015 ASEG Research Foundation supported projects (see Table 1). \$100 700 has been awarded to 5 projects over three years.

UWA is the big winner with four of the five projects supported being carried out by students at this institution. The ASEG congratulates all of the winners.

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Table 1. 2015 ASEG RF Supported Projects

University	Supervisor	Student	Degree	Field	\$/Year	Years	Topic
UWA	Dr Sandra Occhipinti	Heta Lampinen	PhD	Minerals	\$8200 \$6000 \$3000	3	Defining mineral systems footprints in the Edmund Basin of the Capricorn Orogen
RMIT	Prof James Macnae	Joseph Hamad	PhD	Minerals	\$8000 \$8000 \$5500	3	A compact EM transmitter for use in boreholes and for portable surface applications
UWA	Prof Mike Dentith, Dr Marco Fiorentini	Cameron James Adams	PhD	Minerals	\$8500 \$8500 \$6000	3	Understanding of the petrophysical properties of altered rocks: implications for geophysical exploration
UWA	Prof David Lumley	Sophie Monnier	PhD	Petroleum	\$8000 \$8000 \$8000	3	Ocean Bottom Seismology (OBS) offshore Australia: enhanced wavefield imaging and inversion for exploration at both hydrocarbon reservoir and crustal tectonic scales
UWA	Dr Julien Bourget	Victorien Paumard	PhD	Petroleum	\$5000 \$5000 \$5000	3	Linking seismic to the rock scale: new insights for the petroleum prospectivity of the Barrow Group using basin-scale 3D seismic geomorphology integrated with well core/log data (Northern Carnarvon Basin, North West Shelf of Australia)



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# ASEG Technical Standards Committee news

The ASEG Technical Standards Committee has begun documenting all airborne calibration and test ranges for the benefit of contractors across Australia. Information on the operational radiometric and airborne gravity ranges in Western Australia is currently available on the committee’s web page (<https://aseg.org.au/aseg-technical-standards>).

Details of documentation and, rumours of, other radiometric and EM test ranges are still underway.

Version 1 of the ASEG Electrical Standards Format (ESF) for industry data exchange is also available on the Committee’s web page (Figure 1). Thanks to the tireless work of Kim Frankcombe,

the ESF enables all electrical surveys, including downhole and MT, to be stored in a common format. Example data files and Fortran source code for writing to ESF are available on the web page.

Tim Keeping  
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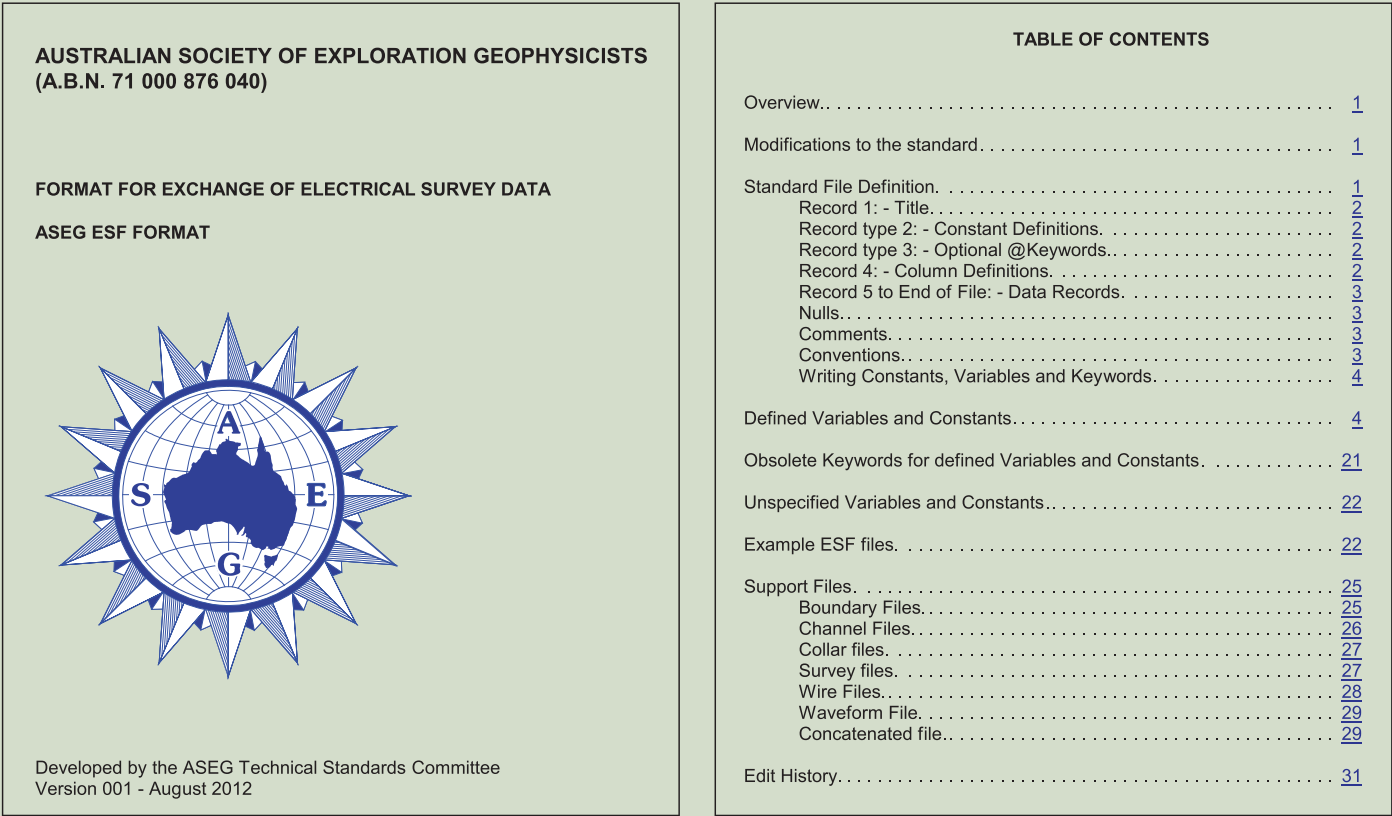


Figure 1. Cover and contents page of the guide to the ASEG Electrical Standards Format (ESF), <https://aseg.org.au/aseg-technical-standards>.



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## Western Australia

After a busy start to the year the WA Branch skipped a technical evening in April and hosted fewer events, but replaced the technical evening with a well attended BBQ for networking amongst Members. Given the current state of the mining and exploration industry in WA this social event was welcomed by all Members.

Technical sessions returned in May with a variety of talks presented by the following:

- **Chris Wijns** (First Quantum Minerals Ltd – Gold Sponsor of Technical Sessions) ‘Geophysical mapping for mine planning’ (13 May).

*Airborne electromagnetic surveys with near-surface resolution provide rapid and comprehensive coverage of a mine site ahead of infrastructure planning. Post-survey, EM results may also be compared with 3D seismic tomography and pre-strip excavation depths over the pit.*

- **Geoff Pettifer** (GHD) ‘Factors in transforming geophysical factors into hydrogeological and engineering parameters – empiricism, scalability, resolution, uncertainty, clay, experience’ (18 June).  
*Recommendations were made for a suggested way forward to improve the practice and acceptance of transformation of geophysical properties into hydrogeological and engineering parameters including working to get wider acceptance of geophysical approaches, engagement and further collaborative research efforts with client professional societies and standards bodies.*



The audience for Chris Wijns.

- **Andrew Long** (PGS) ‘Imaging and characterizing the earth using seismic multiples’ (17 July).

A two-day seminar entitled ‘Water management for shale and tight gas’ was also held in June. The key note speakers included **Nina Triche** (DMP), **Joe Lima** (Schlumberger), **Geoff Barker** (RISC) and **Jim McGowen** (Halliburton). Case studies were reviewed and regulatory changes affecting unconventional gas exploration in WA were highlighted. The event attracted plenty of interest, which was not surprising given the topical nature of the matters being discussed.

The WA Branch calendar is more or less full for the rest of 2015. Events include monthly technical evenings, seminars, SEG lectures, EAGE EET9 and OzSTEP workshops. The latter are clustered in the months of October and November and details will be available on the ASEG website. Mail outs will also provide information.

This year the WA Branch will, once again, provide financial support to well-deserving geophysics students in Western Australia through the ASEG WA Branch Student Award program. Nominations for the award will open on 2 August and close on 16 August 2015.

*Prue Leeming  
(WA Branch Preview correspondent)*

## Australian Capital Territory

In July the ACT branch of the ASEG hosted Dr **Jon Clarke** speaking on ‘Exploration geophysics - the final frontier’. Dr Clarke’s talk covered magnetics, gravity, radar, gamma ray spectroscopy, neutron spectroscopy, seismic (active and passive) and EM, all technologies used from orbit or on the surface of historical Moon, Venus, Mars, Comet 67P/Churyumov-Gerasimenko missions and future missions to Mars. With nearly 60 in attendance from school students, university students right through to professionals and retired professionals Dr Clarke’s talk had something interesting and new for everyone on how important geophysics is in extra-terrestrial exploration. Dr Clarke spoke about how difficult exploration is on other planets and how simple instruments can be used to collect complex geophysical information.

Dr Clarke is currently the President of the Mars Society Australia ([marsociety.org.au](http://marsociety.org.au)), he has worked on marine surveys in the Southern and Indian Oceans, explored for base metals, nickel and gold in Archaean and Proterozoic terranes in Australia, as well as in the Philippines and Chile. Dr Clarke has been researching terrestrial (Hanksville area in Utah and the Arkaroola region in South Australia) analogues of Martian



Chris Wijns presenting to the WA Branch.

### ASEG News

landscapes and developing exploration strategies for human missions to Mars. Developing exploration strategies for human missions involves integrated field research of instruments (spectrometers, data capture, geophysical tools), methodologies (scouting, navigation) and exploration technologies (suits, living modules, rovers, field robotics), at appropriate levels of simulation fidelity.



*Dr Jonathon Clarke President of the Mars Society Australia.*

In other news the branch will be co-hosting the annual Geo-Societies Quiz Night on 19 August, at the Spanish Club Narrabundah, starting at 5:30 pm. Cost \$15. **Millicent Crowe** is putting a geophysical brains trust together so if you would like to join the ASEG table please email [Millicent.Crowe@ga.gov.au](mailto:Millicent.Crowe@ga.gov.au).

*Marina Costelloe  
(ACT Branch President)*

### New South Wales

In May **Peter Hatherly** from the Rio Tinto Centre for Mine Automation (University of Sydney) presented a case history on 'Geophysical Logging in the blastholes of an open pit coal mine'. Peter spoke about how he compared monitor-while-drilling (MWD) data from blast hole drill holes with geophysical logs from the same holes in an open-cut coal mine. Peter demonstrated that models based on interpolation of the MWD data between blast holes show the same geological features as a model based on the geophysical data. Given the well-established link between sonic velocity and Uniaxial Compressive Strength (UCS), the results of this study clearly demonstrated that MWD data can

be used for rock mass characterisation and that will allow improved blast design.

Also in May we presented the 2015 ASEG NSW Branch Student Scholarship to **Alexandre Lemenager** from Macquarie University. Alexandre is undertaking finite element geothermal modelling of the Sydney Basin using temperature dependent thermal conductivity measurements.



*NSW ASEG President **Mark Lackie** presenting Alexandre Lemenager with his ASEG Student Scholarship.*

In June, the current ASEG President, **Phil Schmidt** gave a talk entitled 'A Geophysical Odyssey - how a rank undergraduate who joined the ASEG in 1972 ended up President 40+ years later, and what happened in between'. Phil spoke about what inspired him to undertake geophysics and once hooked, where his interests and research led him.

An invitation to attend NSW Branch meetings is extended to all interstate and international visitors who happen to be in town at the time. Meetings are held on the third Wednesday of each month from 5:30 pm at the Rugby Club in the Sydney CBD. Meeting notices, addresses and relevant contact details can be found at the NSW Branch website.

*Mark Lackie  
(NSW Branch President)*

### Queensland

On 7 July the Queensland Branch hosted **Andrew Long** who presented a talk entitled 'Imaging and characterizing the earth using seismic multiples'. There was a great turn-out of approximately 30 people who came to gain new insights

into the world of marine acquisition and processing. Queensland put on a great show for Andrew at the State of Origin the following evening with a 46 point victory against NSW – Andrew is very welcome to return next year as Queensland's lucky charm!

Our annual Zoeppritz Night Pub Crawl propagated through Brisbane's craft brewery scene on 24 July. A great night was had by all.

The annual ASEG/PESA Trivia Night is scheduled for Wednesday 5 August with none other than our very own Branch Treasurer Mr **Henk van Paridon** donning the Quiz Meister hat.

We also have **Emma Brand** from Origin Energy presenting on Tuesday 25 August. Her talk 'From UQ to the US and back: A story of one UQ grad's international adventures' is sure to be a hit.

**Noll Moriarty** will present his talk 'Predicting timing of commodity prices booms & busts: a scientific approach' to the Queensland Branch on 24 September. This talk should be of interest to many geophysicists in Brisbane given the current resources climate.

Brisbane will also host three OzSTEP courses later this year; two petroleum based and one minerals based. On 14 October **David Lumley**'s course will focus on reservoir monitoring including discussions primarily on 4D seismic, but also passive seismic and 4D seafloor gravity. On 30 October **Bob Musgrave**'s course will cover all things potential fields including a theory refresher, remanence, gravity and magnetic gradiometry, filtering, layer separation, interpretation of short- and long-wavelength signals, edge analysis, and inverse and forward modelling. On 4 November **Brian Russell** will cover concepts of AVO and Inversion. We will also be holding local branch meetings around the workshops.

Keep your eye on the Queensland events calendar on the ASEG website for updates and registration details closer to the date.

*Megan Nightingale  
(QLD Branch Secretary)*

### South Australia & Northern Territory

In May the South Australia and Northern Territory Branch of ASEG hosted the annual Student/Industry night at the University of Adelaide, featuring



SA/NT Branch student night.

presentations by **Danny Burns** of Beach Energy and **Kelly Keates** of Zonge Engineering, both of whom shared information about their career journeys including lessons learnt along the way. The night had a good turnout from students, many of whom signed up for ASEG membership.

The inaugural YPP/ASEG/PESA Trivia Night was hosted by the Young

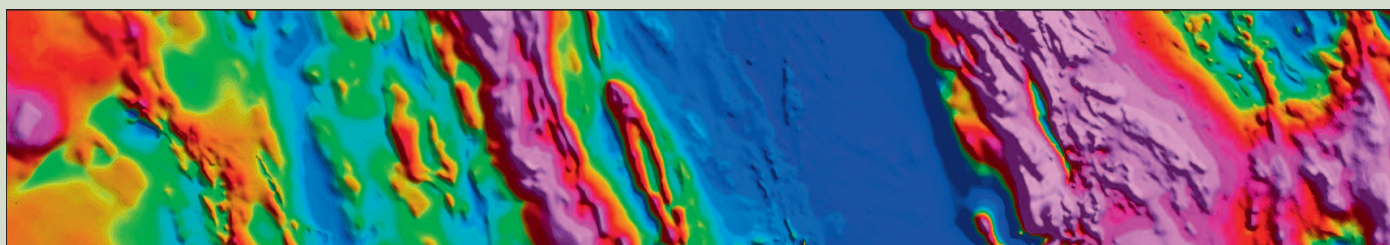
Petroleum Professionals at the German Club with a turnout of over 150 petroleum professionals, students and others! The night was a great success and will certainly be repeated next year.

In June we were given an excellent presentation on the 'Multi-functional borehole logging tool based on pulsed-neutron generator technology' by **Jonathan Ross** (Project Geologist,

Heathgate Resources) at the Coopers Alehouse. The diversity of functions integrated in this one tool has enabled highly efficient logging, potentially entirely replacing the need to use several conventional logging tools. Food and drink were in abundance, encouraging many hours of discussion into the night after the talk.

The next technical presentation will be held at the Coopers Alehouse on 4 August at 5:30 pm for a 6:15 pm start. Other upcoming events include two OzSTEP courses on 16 and 28 October. The first course will be given by **Dave Lumley** on '4D Reservoir Monitoring', and the second will be given by **Bob Musgrave** on 'Potential fields: a (re) introduction for geophysicists and geologists'. Registration for the OzSTEP courses is expected to open in August, with ASEG Member prices from \$220 and reduced rates for Student Members.

The annual wine tasting event will take place in mid-August; stay tuned for more details via email. This event is always a huge success with wine from several local vineyards and good company making a great night. On 19 November



## Exploration Geophysics

The Journal of the Australian Society of Exploration Geophysicists

### Preview

The Magazine of the Australian Society of Exploration Geophysicists

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## ASEG News

we will be hosting the SEG Near Surface honorary lecturer Dr **Hansruedi Maurer**, who will give a talk on 'The curse of dimensionality in exploring the subsurface'.

If you or anyone you know is interested in giving a technical presentation to the ASEG SA membership, please get into contact at either [mdello@hotmail.com](mailto:mdello@hotmail.com) or [Joshua.matthew.sage@gmail.com](mailto:Joshua.matthew.sage@gmail.com).

*Michael Dello*  
(SA/NT Branch Secretary)

## Tasmania

The Tasmania branch will be hosting **Bob Musgrave**'s OzSTEP course 'Potential fields: a (re)introduction for geophysicists and geologists' on 15 October in the CODES Conference Room at the University of Tasmania, Sandy Bay. Details of this one-day course, covering physical properties, data presentation, filtering and inversion can be found in this edition of *Preview*. Tasmania will be squeezing Bob pretty dry, as later that same evening (15 October) he has kindly

agreed to back up to address a joint meeting of the ASEG and Geological Society of Australia about the new Tasmanide oroclinal tectonic evolution interpretations, informed by long wavelength geophysical signatures. This presentation will get under way from 6 pm in the UTas School of Earth Sciences lecture theatre, preceded by drinks and nibbles at 5:30 pm.

30 November will see the Tasmania branch hosting the SEG 2015 Near Surface Honorary Lecturer, Dr **Hansruedi Maurer** of ETH Zurich, on 'The curse of dimensionality in exploring the subsurface', illustrated by several examples from near-surface geophysics including 3D tomographic inversions. This lecture will be held at noon in the CODES conference room.

Interested members and other parties should also keep an eye on the seminar program of the University of Tasmania's School of Earth Sciences, which regularly delivers presentations of geophysical as well as general earth science interest. Contact Mark Duffett [taspresident@aseg.org.au](mailto:taspresident@aseg.org.au) for further details.

*Mark Duffett*  
(Tasmanian Branch President)

## Victoria

We are planning a busy meeting schedule for winter and spring 2015.

On Wednesday 12 August it is time to network with the local geoscience and exploration community at the joint PESA-ASEG-SPE Mid-Winter Social. Following last year's success, the event will again be held at the Duke of Wellington Hotel, 146 Flinders Street, Melbourne, from 5:30 pm onwards. This is a joint event with SPE and PSEA, so we hope to see you there for a night of networking and stimulating geoscientific discussions over drinks and nibbles. This is a Members-only event and pre-registration via the ASEG events website is mandatory.

On Thursday 3 September the ASEG Victoria Branch will host a technical meeting with **Andrew Button**, Caistor Geoscience, presenting 'Empirical geologic-geophysical search model for

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bulk mineable platinum-palladium-base metal deposits of the Platreef type'. The meeting will be held at the Kelvin Club, 14–30 Melbourne Place (off Russell Street) in Melbourne's CBD, starting at 6:00 pm (drinks and nibbles) for a 6:30 pm presentation.

On Wednesday 7 October the ASEG Victoria Branch will host a technical evening meeting at the Kelvin Club with **Bill Lodwick**, recently returned from Malaysia. A title of the talk is yet to be confirmed, but I know that Bill would like talk about his experiences with the interactions in petroleum exploration – and the sometimes lack thereof – between petrophysicists and geophysicists. The meeting will be starting at 6:00 pm (drinks and nibbles) for a 6:30 pm presentation.

On Friday 9 October we will be hosting the all-day OzSTEP course on '4D reservoir monitoring' presented by **David Lumley** from the University of Western Australia.

On Tuesday 13 October we will be hosting the all-day OzSTEP course on 'Potential fields: a (re)introduction for geophysicists and geologists' presented by **Bob Musgrave** from the Geological Survey of New South Wales.

On Friday 6 November we will be hosting the all-day OzSTEP course on 'AVO and inversion methods in exploration seismology' by **Brian Russell**, Hampson-Russell/CGG.

Make a big mark in your calendars for the Annual Joint PESA-ASEG-SPE Christmas Luncheon on Wednesday 9 December – as always there will be an interesting talk from one of the remote coal faces of exploration (TBA), along with games, quizzes, excellent food and drink and even better company!

On Thursday 10 December the ASEG Victoria Branch will host a technical meeting with **Dr Hansruedi Maurer**, ETH Zürich and SEG Honorary Lecturer, presenting 'The curse of dimensionality in exploring the subsurface'. The meeting will be held at the Kelvin Club, starting at 6:00 pm (drinks and nibbles) for a 6:30 pm presentation.

We look forward to seeing many ASEG Victoria Branch members at the meetings in the coming months.

*Ashjorn Norlund Christensen*  
(Victorian Branch President)

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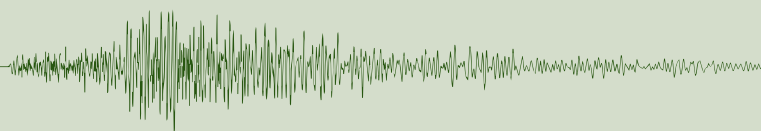
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## ASEG calendar: technical meetings, courses and events

Date	Branch	Event	Presenter	Time	Venue
<b>2015</b>					
31 Aug – 1 Sep	WA	EAGE Education Days: Borehole Seismic: Advanced Analysis and Integration	Jacques Blanco	TBA	TBA
3 Sep	VIC	Technical Night: Empirical geologic-geophysical search model for bulk mineable platinum-palladium-base metal deposits of the Platreef type	Andrew Button	1800–2000	The Kelvin Club, 14–30 Melbourne Place (off Russell Street), Melbourne
7–8 Sep	WA	EAGE Education Days: Deepwater Reservoirs: Exploration and Production Concepts	Dorrik Stow	TBA	TBA
9 Sep	WA	Technical Night	TBA	1730–1900	City West, Function Centre, Perth
10–11 Sep	WA	EAGE Education Days: Full Waveform Inversion for High Resolution Reservoir Characterization	Dries Gisolf	TBA	TBA
24 Sep	QLD	Technical night: Predicting timing of commodity prices booms & busts: a scientific approach	Noll Moriarty	TBA	TBA
7 Oct	VIC	Technical night: Interaction between petrophysicists and geophysicists - or not	Bill Lodwick	1800–2000	The Kelvin Club, 14–30 Melbourne Place (off Russell Street), Melbourne
7 Oct	NSW	OzSTEP: Reservoir Monitoring/4D Seismic	Prof David Lumley, UWA	0900–1700	Rugby Club, off 31 Pitt Street Sydney
9 Oct	VIC	OzSTEP: Reservoir Monitoring/4D Seismic	Prof David Lumley, UWA	0900–1700	5 on 505, Level 5, 505 Little Collins Street, Melbourne
12 Oct	ACT	OzSTEP: Reservoir Monitoring/4D Seismic	Prof David Lumley, UWA	0900–1700	Geoscience Australia, Symonston
13 Oct	VIC	OzSTEP: Potential fields for mineral exploration	Bob Musgrave	0900–1700	5 on 505, Level 5, 505 Little Collins Street, Melbourne
14 Oct	QLD	OzSTEP: Reservoir Monitoring/4D Seismic	Prof David Lumley, UWA	0900–1700	TBA
14 Oct	WA	Technical Night	TBA	1730–1900	City West, Function Centre, Perth
15 Oct	TAS	OzSTEP: Potential fields for mineral exploration	Bob Musgrave	0900–1700	TBA
16 Oct	SA/NT	OzSTEP: Reservoir Monitoring/4D Seismic	Prof David Lumley, UWA	0900–1700	TBA
19 Oct	ACT	OzSTEP: Potential fields for mineral exploration	Bob Musgrave	0900–1700	Geoscience Australia, Symonston
21 Oct	NSW	OzSTEP: Potential fields for mineral exploration	Bob Musgrave	0900–1700	Rugby Club, off 31 Pitt Street Sydney
26 Oct	WA	OzSTEP: Potential fields for mineral exploration	Bob Musgrave	0900–1700	TBA
28 Oct	SA/NT	OzSTEP: Potential fields for mineral exploration	Bob Musgrave	0900–1700	TBA
30 Oct	QLD	OzSTEP: Potential fields for mineral exploration	Bob Musgrave	0900–1700	TBA
30 Oct	WA	OzSTEP: Reservoir Monitoring/4D Seismic	Prof David Lumley, UWA	0900–1700	TBA
2 Nov	WA	OzSTEP: AVO and Inversion	Brian Russell	0900–1700	TBA
4 Nov	QLD	OzSTEP: AVO and Inversion	Brian Russell	0900–1700	TBA
6 Nov	VIC	OzSTEP: AVO and Inversion	Brian Russell	0900–1700	5 on 505, Level 5, 505 Little Collins Street, Melbourne
6 Nov	WA	ASEG-PESA Golf Day	ASEG/PESA	TBA	Joondalup Golf Course
11 Nov	WA	Technical Night	Student Presentations	1730–1930	City West, Function Centre, Perth
18 Nov	WA	SEG HL Near Surface: The curse of dimensionality in exploring the subsurface	Hansreudi Mauerer	TBA	City West, Function Centre, Perth
19 Nov	SA/NT	SEG HL Near Surface: The curse of dimensionality in exploring the subsurface	Hansreudi Mauerer	TBA	TBA
20 Nov	WA	EAGE (EET9) Workshop: Satellite InSAR Data: Reservoir Monitoring from Space	Alessandro Ferretti	0900–1700	CSIRO, Perth
23 Nov	QLD	SEG HL Near Surface: The curse of dimensionality in exploring the subsurface	Hansreudi Mauerer	TBA	TBA
24 Nov	WA	AGM and Christmas Party		1730 till late	TBA
25 Nov	ACT	EAGE (EET9) Workshop: Satellite InSAR Data: Reservoir Monitoring from Space	Alessandro Ferretti	0900–1700	Geoscience Australia, Symonston
30 Nov	TAS	SEG HL Near Surface: The curse of dimensionality in exploring the subsurface	Hansreudi Mauerer	TBA	TBA
9 Dec	VIC	Annual Joint PESA-ASEG-SPE Christmas Luncheon	TBA	1200–1700	TBA
9 Dec	ACT	SEG HL Near Surface: The curse of dimensionality in exploring the subsurface	Hansreudi Mauerer	TBA	Geoscience Australia, Symonston
10 Dec	VIC	SEG HL Near Surface: The curse of dimensionality in exploring the subsurface	Hansreudi Mauerer	1800–2000	The Kelvin Club, 14–30 Melbourne Place (off Russell Street), Melbourne

TBA, to be advised (please contact your state branch secretary for more information).