
Welcome to the 1st edition of Geo-soundings for 2016. We hope you enjoy this issue and look forward to always keeping our readers informed of our activities during 2016 and hope that the remainder of the year is rewarding and productive for all.

GRADUATES 2015

2015 - Undergraduates

BSc Geophysics / Geophysics Major:
Jason Clark
Vaskar Kadel
Petr Lebedev
Xiuping Liu
Christian Proud
Yoel Staub
Ryan Vitas

BSc Double Degree - Geology/Geophysics:
Kristopher Wright
Benjamin Stimson

2015 - Honours

Jarrad Luce (mid-year)
Joshua Meertens
Bryce Teo
Murtaza Yazdari (mid-year)

2015 - Postgraduates

MSc Geophysics Major:
Jacob Jackson
Kimoita Innocent Murunga  
Jennifer Neild  
Emenike Okonkwo  
Sutthisrisaarng Pholpark  
Maneesh Saroya  
Benjamin Seive  
Amalina Syazlin Shamsudin  
Stefan Francis Miguel Spears  
Benjamin Stepin

**2015 - Higher Degree by Research**

**Master of Philosophy:**  
Mohammed Alkaff

**Doctor of Philosophy:**  
Mamdooh Saad A. Alajmi  
Olivia Collet  
Jamal Ohan I. Esttaifan  
Sinem Yavuz

**ENROLMENTS 2016**

<table>
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<tr>
<th>Degree</th>
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<tr>
<td>BSc (Geophysics Major) (across all years)</td>
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<tr>
<td>BSc (App Geology / Geophysics)</td>
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<tr>
<td>BSc (Science) (Honours) – Geophysics</td>
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<td>MSc (Geophysics Major)</td>
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**STUDENT COMMITTEE MEMBERS**

**KEGS Office Bearers for 2016:**

President: Dane Padley  
Vice President: Mischa Ritschny  
Treasurer: Zain Kopty  
Secretary: Chanel De Pledge  
Post Graduate Representative: Danny Husado  
4th Year Representative: Christian Proud  
3rd Year Representative: Thomas Dronfield
JOURNAL PUBLICATIONS 2016


HONOURS / GRANTS / AWARDS

Congratulations to Dr Sinem Yavuz on being awarded her PhD, which was officially approved on the 4th December 2015. Sinem is currently working for the Department of Exploration Geophysics. On behalf of all members of the Department we offer our congratulations to Sinem and her supervisor, Milovan Urosevic, and all panel members on this achievement.

Congratulations to Dr Jamal Esttaifan on being awarded his PhD, which was officially approved on the 4th December 2015. On behalf of all members of the Department we offer our congratulations to Jamal and his supervisor, Milovan Urosevic, and all panels members on this achievement.

Congratulations to Dr Pavel Golodoniuc on being awarded his PhD, which was officially approved on the 4th March 2016. Pavel is an employee of CSIRO, Kensington. On behalf of all members of the department we offer our congratulations to Pavel and his supervisor, Boris Gurevich, and all panel members on this achievement.

RESEARCH ACTIVITIES

Australian Patent no. 2011274302 “Measurement of slurry density: has been granted to Curtin University on 14th January 2016. The inventors are Luiz Alberto Cordeiro (Total Marine Technology), Maxim Lebedev and Boris Gurevich.

STAFF NEWS

Welcome!

Ralf Schaa has been appointed as a Lecturer and commenced his 2 year appointment with us on the 18th of January. Ralf will be working on research projects related to DETCRC and Department of Water/Water Corporation with Brett Harris and others, across disciplines associated with hydrogeophysics, development of methods for mineral exploration and possibly, geological sequestration of CO2 and other areas of subsurface exploration. Ralf will also participate in some teaching activities.

Ralf has a MSc in Geophysics (2005) from the University of Cologne, Germany; his thesis title was "Abel inversion of radio-bending angles of ESA's Mars Express Mission". He also has a PhD in Geophysics (2010) from the University of Tasmania; his thesis title was "Rapid approximate 3D inversion of transient electromagnetic data". From 2010–2013 he
Dr Sepideh (Sepi) Rastin has been appointed as a Research Fellow and commenced her Curtin Research Contract appointment with us on the 29th of January. Sepideh will be working on CO2CRC research projects related to seismic monitoring and characterisation aspects of carbon dioxide geosequestration. This will involve analysis and processing of the time-lapse seismic data acquired using a combination of surface and permanently deployed (buried) geophone arrays, conventional and continuous seismic sources, borehole seismic tools and distributed acoustic sensors. The position is co-funded by CO2CRC. Sepideh will also participate in some teaching activities.

Sepideh has recently been awarded her PhD in Engineering Science (October 2015) from The University of Auckland, New Zealand. Her thesis title was "Improving the performance of earthquake detection in New Zealand with wavelets and ambient noise models". Prior to this, Sepideh was awarded an MSc in Electrical Engineering-Control (2006) from Azad University, Tehran. Her thesis title was "Chaotic time series analysis and simulation". From 2006–2008 Sepideh held a full-time electrical engineer position in Iran; 2008–2010 worked as a part time laboratory tutor at the University of Auckland; and 2012–2013 she held a full time position as a data developer at the International Seismological Centre, UK. She has published 3 journal articles as the lead author in the Bulletin of the Seismological Society of America and 8 conference papers.

Congratulations!

Anton Kepic has been appointed to the "Boart Longyear Professorial Chair". The appointment is via a limited term contract, commencing on the 1st March 2016 through to the 31st December 2019 and is in conjunction with the funding support from Boart Longyear. On behalf of all staff and senior students, we offer our congratulations to Anton on this achievement.
MEDIA RELEASES

"Tool to revolutionise drilling data." (12th January 2016), Kalgoorlie Miner (General News). Associate Professor Anton Kepic comments on new drill technology which saves money and time by extracting information during the first drill.

"Game changing" drilling sensors set to tap into a world market." (10th January 2016), Science Network Western Australia.

VISITORS

Prof. Serge A Shapiro from Freie Universitaet Berlin, Germany visited the Department of Exploration Geophysics on the 14th–17th of March. While he was here he delivered a one day short course titled "Rock Physics and Geomechanics of Fluid-induced Seismicity: hydraulic fracturing, stimulation of geothermal systems and hazard assessment".

Prof. Shapiro is the Director of the PHASE (Physics and Application of Seismic Emission) university consortium project since 2004 and from 2001 to 2008 he was a Coordinator of the German Continental Deep Drilling Program. His research interests include seismogenic processes, wave phenomena, exploration seismology, and rock physics. He received the SEG Virgil Kauffman Gold Medal in 2013 for his work on fluid-induced seismicity and rock physics, and in 2004 was elected a Fellow of The Institute of Physics.

(portions extracted from the ASEG website flyer, "About the lecturer")

UPCOMING EVENTS

### Educational Software Grants and Programs

A big thank you to all our software vendors who provide us with the continuing support and software resources we need for our teaching and research programs.

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<th>Vendors</th>
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<td>ALT - WellCAD</td>
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<td>CGGVeritas - Hampson Russell Software</td>
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<td>Pitney Bowes - Encom, MapInfo and Discover</td>
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<td>WesternGeco - Vista and Omni</td>
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<td>Intrepid Geophysics - Geomodeller</td>
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