



# Geo-soundings

NEWSLETTER – MARCH 2008

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## WELCOME

Welcome to the first edition of Geosoundings for 2008. All staff and students are geared up for another busy year, and Semester 1 is well underway, as the numbers below indicate. Students have also been busy with their elections for the respective student bodies and we congratulate all those willing to be involved. We look forward to providing you with our news over the coming year, which we hope you will enjoy receiving.

## ENROLMENTS 2008

### Total enrolments for 2008 are:

BSc (Geophysics) Undergraduate and Honours	76+7
BSc (Geophysics)/BSc (Computer Science)	4
BSc (Petroleum Geoscience) (Honours)	3
BSc (Geology/Geophysics)	24
Graduate Diploma	4
Postgraduate Diploma	0
MSc (Geophysics) – Coursework	1
MPhil (Geophysics) – Research	1
PhD	18

### 2007 Graduates were:

#### *Doctor of Philosophy*

Robert Galvin  
Nasser Keshavarz Faraj Khah  
Gracjan Lambert

#### *Master of Philosophy (Geophysics)*

Mohammad A.K. AlHussain

#### *BSc (Geophysics) Honours*

Matthew Little	Sean Phillips
Matthew Saul	Christopher Semeniuk
Alexander Ursulic	

#### *BSc (Geophysics)*

Hayley Anderson	Jai Kinkela
Michael McCrudden	Bradley Morgan
Adam Palermo	Richard Presser
Dushyan Rajeswaran	William Scott
Jonathan Turley	James Wood

## STUDENT COMMITTEE MEMBERS

### 2008 KEGS Office Bearers (Member of the SEG-Student Section)

Following a meeting of the Geophysics student body, elections were held to elect the 2008 KEGS Committee. The results are as follows:

<b>PRESIDENT:</b>	David Stannard
<b>VICE-PRESIDENT:</b>	Jia Min (Christopher) Sim
<b>SECRETARY:</b>	Ali Shaiban
<b>TREASURER:</b>	Jesse-Lee Dimech

### GENERAL COMMITTEE MEMBERS:

Reece Cunnold  
Tim Lloyd  
Adrian Elsner  
Sean Simpson  
David Botes  
Hayley Anderson  
Andrew Pethick

### FACULTY ADVISOR:

Prof Boris Gurevich Phone: +618 9266 7359  
Email: [Boris.Gurevich@curtin.edu.au](mailto:Boris.Gurevich@curtin.edu.au)

### Petroleum Exploration Society of Australia (PESA)

Congratulations to **Yousuf AlJabri** for being elected the PESA WA Branch Student President for 2008.

## AWARDS/GRANTS/HONOURS

**Dr Milovan Urosevic** accepted the position, Chair of the Technical Committee for ASEG for 2008.

Drs. **Anton Kepic** and **Milovan Urosevic**, together with Prof. B. Milkereit (Toronto) will be chairing a one day workshop entitled "*Mineral exploration and mining*" at the SEG, Las Vegas (USA), November 2008.

**Prof Boris Gurevich** has been invited to a yearly Rose Consortium Meeting in Trondheim, Norway, from 21-24 April 2008, where he will give a 30 minute presentation.

**Mr. Christopher Semeniuk** was nominated for the **Vice Chancellor's List** as the best overall performing student at the conclusion of Semester 2, 2007. Christopher will receive this award at the next Vice Chancellor's Annual Induction Ceremony. Christopher completed his degree in 2007, achieving First Class Honours.

**Miss Hayley Anderson** has been selected to receive the **PESA Best Third Year Student Prize** for 2007. Hayley is currently enrolled in the BSc Geophysics Honours degree program and is undertaking a petroleum related research project entitled "**A feasibility study for the use of shear waves to characterize a reservoir in the North West Shelf, Western Australia**". It is expected that Hayley will receive her prize at a forthcoming PESA Committee Meeting.

We congratulate **Dr Kirsty Beckett** on being awarded her PhD entitled "**Multispectral analysis of high spatial resolution 256-channel radiometrics for soil and regolith mapping**" which was officially approved on the 13<sup>th</sup> March 2008. Kirsty is currently employed with Rio Tinto within their Resources Development Unit as a Project Hydrologist.

## JOURNAL PUBLICATION

Myasnikov, A.V., Osypov, K.S., Yarushina, V.M., **Gurevich, B.**, & A.M. Sbojchakov, *Rheological monitoring of wave propagation in multiphase and multicomponent media: a review*: Physical Mesomechanics, 2007, p.73-86 (*in Russian*).

**Bóna, A.**, Bucataru, I., & M.A. Slawinski, *Inversion of ray velocity and polarization for elasticity tensor*: Journal of Applied Geophysics, 2008.

**Alhusain, M., Gurevich, B., & M. Urosevic**, *Experimental verification of spherical-wave effect on the AVO response and implications for three-term inversion*: Geophysics, 2008, 73(2):C7-C12.

Ciz, R., Siggins, A.F., **Gurevich, B.**, & J. Dvorkin, *Influence of microheterogeneity on effective stress law for elastic properties of rocks*: 2008, Geophysics, 73:E7-E14.

**Grochau, M., & B. Gurevich**, *Investigation of core data reliability to support time-lapse interpretation in Campos Basin, Brazil*: 2008, Geophysics, 73:E59-E65.

## VISITING ACADEMIC

**Dr. Tobias Müller** from the Universitat Karlsruhe in Germany recently visited the Department from 6/2/08 - 6/3/08. Dr Müller, who also holds an Adjunct Associate Professor position with this Department, spent his time working very productively with Professor Boris Gurevich and his research group, to continue the research collaboration between Karlsruhe and Curtin. Dr Müller is currently head of the research group 'Seismic Rock Physics' at KU.

## STAFF

We are sorry to report that **Dr. Michael Sykes** has decided to resign from his position as Research Fellow during mid-April 2008. Michael has decided to spend more time tending his vineyard in the Bickley hills and pick up some casual work to supplement the vines. We hope that Michael will continue to maintain his association with the Department as a Sessional Academic. We wish Michael and Lyn all the very best.

During the past quarter, the **Centre of Excellence in High Definition Geophysics (CHDG)** has sought to attract international candidates to two new positions within the Department – one **Associate Professor** and one **Research Fellow**. After receiving some good applications and following the interviews, we are happy to report that two candidates have been chosen and informally offered the respective positions. We will report on these two new appointments later in the year.

**Mr. Dominic Howman** has returned to work after his enjoyable break on Long Service Leave. We are most happy to see Dominic back with us.

**Mrs Krystie Bremer** and her husband **Justin**, are proud to announce the birth of their new baby daughter – **Kyla Patricia Bremer** (below). Kyla was born on the 27<sup>th</sup> March at 9.25 pm, weighing 9lb 14oz. Krystie has been the CHDG Administrative Support Officer over the past 15 months and will be on maternity leave for approximately 2 years. We congratulate Krystie and Justin on the new addition to their family.



## UPCOMING EVENTS

### SAGEEP CONFERENCE

Philadelphia, USA, 4-11 April 2008

### EAGE/EAGO CONFERENCE

Saint-Petersburg, Russia, 7-10 April 2008

### SEG APPLIED RESEARCH WORKSHOP

Kuala Lumpur, Malaysia, 7-10 April 2008

### EAGE SHALES WORKSHOP

Berlin, Germany, 28-29 April 2008

### EAGE ANNUAL CONFERENCE

Rome, Italy, 9-12 June 2008