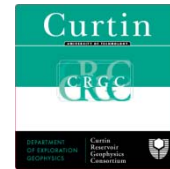




Curtin University



Geo-soundings

NEWSLETTER – MARCH 2011

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WELCOME

Welcome to our first edition of *Geo-soundings* for 2011. This edition acknowledges the achievements of our 2010 graduated students, reports on recent awards and grants, publications, public presentations and visitors. We hope you enjoy the contents and we look forward to keeping you up to date with our activities for the remainder of 2011.

ENROLMENTS 2011

Total enrolments for 2011 are:

BSc (Geophysics) Undergraduate	61
BSc (Geophysics) Honours	16
Graduate Diploma in Geophysics	7
MSc (Geophysics) – Coursework	8
MPhil (Geophysics) – Research	3
PhD – Research	19

2010 Graduates were:

Doctor of Philosophy

Abdullah A.S. Al Ramadhan

Master of Science (Geophysics) by Coursework

Amalularifin Hilmi Abdul Rahman

Yazeed Khaled Altowairqi

Dodi Restuning Galih

Gabriela E. Filomeno Lacruz

Badr Abdullah H Alulaiw

Graduate Diploma in Geophysics

Hisham Al Hashem

Nirjhar Mullick

Maryam Bahrirudsari

Hayan Nasreddin

Daniel Eden

Bai Chun Sun

BSc (Geophysics) Honours

Jonathon Akers

Jonathan Gorham

Omar Ayedh A Alahmady

Jai Kinkela

Ali Ahmed Alnasser

Nataya Kusumaputri

Richard Bentley

Danny Yong-Hao Li

David Botes

Stephen Malajczuk

Christopher Botman

Thomas Paten

Michelle Byett

Matthew Pau

Jesse-Lee Dimech
Aaron Dobrich
Lisa Gavin

Ali Abdulla A Shaiban
Jeremy Smith
William Tran

BSc (Geophysics)

Kieran Brennan
Reece Cunnold
Abenezier Feleke
Rafael Fernandez
Sean Herbert
Courtney Jenner
Lynn Le
Jie Jian Leong

Robert Martin
Alicia York
Jordan Olsen
Ruan Swanepoel
Stephanie Tressler
Jason Valuri
Jemal Mohammed-Nour

JOURNAL PUBLICATIONS

Pevzner, R., V. Shulakova, A. Kepic, & M. Urosevic, 2011, *Repeatability analysis of land time-lapse seismic data: CO2CRC Otway pilot project case study*. Published in Geophysical Prospecting, Volume 59, 66-77, January.

CONFERENCE POSTER PRESENTATIONS

Campbell, A.J., L. Nutt, A. Ali, K. Dodds, M. Urosevic, R. Pevzner, & S. Sharma, 2011, *An Early Look at a Time-Lapse 3D VSP*. Presented at EAGE Borehole Geophysics Workshop, Istanbul, January.

Greenwood, A., C. Dupuis, A. Kepic, & M. Urosevic, 2011, *Borehole Hydrophone Acquisition - Some pitfalls and solutions*. Published in EAGE Borehole Geophysics Workshop, Istanbul, January.

PUBLIC PRESENTATIONS

Dominic Howman, gave a presentation at a Curtin Physics Seminar: *Making Guitars with a Physics Mind* on 23rd March. Dominic has been making acoustic guitars for many years and believes that he has finally developed a grasp of how they can be altered to bias bass versus treble responses. Dominic has given similar presentations in the past on similar topics and this again proved to be very popular. This talk was filmed by the Curtin Media Unit and will be available soon as a web link. In the mean time you can look at Dominic's website to see a side of his life that doesn't involve a soldering iron. www.howmanguitars.com

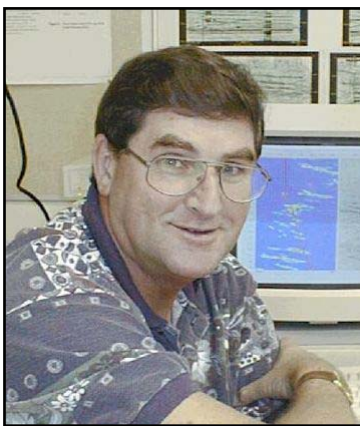
Maxim Lebedev gave three talks, all titled “*Rock Physics Experiments at Department of Exploration Geophysics*” while visiting Japan in February.

RESEARCH VISITS

Milovan Urosevic and **Andrew Greenwood** attended the EAGE Borehole Geophysics workshop Istanbul, Turkey from the 16th - 20th **January**.

Maxim Lebedev was invited to visit the National Institute of Advanced Industrial Science and Technology (AIST), the Geological Survey of Japan, and the Research Institute of Innovation Technology for Earth (RITE), Japan between 18th – 27th **February 2011**. During his visit he gave 3 presentations about rock physics experiments at Curtin.

VISITORS



Professor John Bancroft is visiting us from the University of Calgary, Canada from February – May 2011. During this time he is undertaking teaching and collaborative research projects in seismic imaging.

While here John also plans to give a 2-day short course on ‘**Advanced Seismic Imaging Techniques**’, in May 2011. More details about this will be publicised shortly and further details can be obtained by contacting Andrej Bona, either via email (A.Bona@curtin.edu.au) or phone (08) 9266-7194.

HONOURS /GRANTS/AWARDS

Congratulations to **Mr Jeremy B. Smith**, who was awarded a **Curtin Vice Chancellor’s Award** for Semester 2 2010, as the best overall performing geophysics student. Jeremy completed the Honours degree, graduating with First Class Honours.

Milovan Urosevic and **Mark Lwin** were awarded an Australian Coal Research (ACARP) grant (\$244,753) for: ‘*Geophysical Estimation of Concentration and Composition of Gas In-Place in Unmined Coal Seams*’.

Exploration Geophysics together with **CSIRO** has been awarded an ANLEC R&D grant (\$261,000) for: ‘*A deployment strategy for effective geophysical remote sensing of CO₂ sequestration*’.

Finalists in Curtin's ICT and Emerging Technologies 2010 round, **Associate Professor Andrej Bona** and **Associate Professor Roman Pevzner**, both who are members of the Exploration Geophysics Department, have adapted ultrasound technology used on the

ground for mining purposes to medical ultrasound, resulting in improved picture quality and definition, meaning better diagnoses and more accurate results. For more details please visit the following web site at: <http://www.curtin.edu.au/research/areas-of-strength/ict/#>.



L-R: Roman Pevzner and Andrej Bona, finalists in Curtin's ICT and Emerging Technologies 2010 round.

STUDENT COMMITTEE MEMBERS

2011 KEGS Office Bearers (Member of the SEG-Student Chapter)

Following a meeting of the Geophysics student body, held mid-March 2011, elections were held to elect the 2011 KEGS Committee.

The results are as follows:

PRESIDENT: Nicholas Leong
VICE-PRESIDENT: Sean Herbert
SECRETARY: Jie Jian Leong
TREASURER: Not yet filled

STUDENT REPS (Years 1-4):

Ruan Swanepoel, Rylan Fabrici. Two other positions are yet to be filled.

UPCOMING EVENTS

**European Geosciences Union (EGU)
General Assembly 2011**
3rd – 8th April, Vienna, Austria

**EAGE Workshop, Naturally &
Hydraulically Induced Fractured
Reservoirs**
10th – 13th April, Nafplio, Greece

**International Workshop on Mineral
Exploration at Depth and Under Cover**
18th - 23rd April, Wuhan, China.

73rd EAGE Conference & Exhibition
23rd - 26th May, Vienna, Austria.