

Exploration Geophysics

The Bulletin of the Australian Society of Exploration Geophysicists

Volume 38, No. 2 June 2007

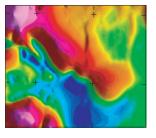
EDITORIAL PANEL

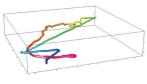
Managing Editor Lindsay Thomas

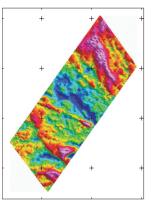
Seismic Methods & Petroleum Geophysics Leonie Jones Binzhong Zhou

Mining Geophysics Mike Dentith Sydney Hall Glenn Wilson

Groundwater, Engineering & Environmental Geophysics John Stanley Gregory J. Street Robert Whiteley







PAPERS FROM THE AUSTRALIAN EARTH SCIENCES CONVENTION, 2006

The use of curvature in potential-field interpretation	111
Seismically constrained petrophysics in the Scarborough area	120
Microtremor methods applied to groundwater studies	125
Real-time kinematic tracking of towed AEM birds	132
Layered earth inversions of AEM Bathymetry data incorporating aircraft attitude and bird offset – a case study of Torres Strait	144

ISSN 0812-3985 PP 535283/00001

CALL TO AUTHORS

Exploration Geophysics

VOLUME 38 2007

4 ISSUES PER YEAR ISSN: 0812-3985

Exploration Geophysics publishes excellent research in geophysics, reviews, technical papers and significant case histories in minerals, petroleum, mining and environmental geophysics, and is an official publication of the Australian Society of Exploration Geophysicists (ASEG). Authors and readers are professional earth scientists specialising in the practical application of the principles of physics and mathematics to solve problems in a broad range of geological situations. They are variously in industry, government and academic research institutions. All papers are peer reviewed.

Four issues are published each year in both print and online versions and some issues include special sections of particular topics, or collections of papers from the regular ASEG Conferences.

We also publish a joint issue as Mulli-Tamsa with the Korean Society of Exploration Geophysicists and as Butsuri-Tansa with the Society of Exploration Geophysicists of Japan; this issue goes to all three societies.

Exploration Geophysics offers authors:

- International scope and readership
- No page charges
- Final PDF versions of your papers free
- Facility to download citations to reference management software

For submission of papers and general enquiries please contact:

Dr Lindsay Thomas Editor Exploration Geophysics School of Earth Science University of Melbourne Melbourne VIC 3011 Australia

Email: thomas@unimelb.edu.au



Exploration Geophysics

리탐사 MULLI-TAMSA



Guidelines for authors can be found at www.publish.csiro.au/nid/230.htm
THE BULLETIN OF THE AUSTRALIAN SOCIETY OF EXPLORATION GEOPHYSICISTS (ASEG)

CALL FOR PAPERS

Abstract submissions are invited. Authors may elect to present a paper or a poster.

Each submission should be associated with a technical area. No commercial promotion or overt advertising of techniques and services will be permitted.

The Technical Papers Sub-Committee will make the final decision regarding the acceptance of papers and posters and the abstracts will be published in the conference proceedings.

PAPER presentations will be 20 minutes, plus 5 minutes discussion. Accepted authors will be required to submit a short paper (max 4 pages) for publication on the conference CD. Papers will be reviewed for technical content and undergo editorial review. Papers that do not meet the guidelines provided with acceptance advice, will not be published.

POSTER presentations will be displayed on 1.8 m x 1.2 m panels. The program will allow for informal discussion around the posters.

Note: All costs to attend the conference, including travel and accommodation, must be met by presenters.

ABSTRACT SUBMISSION

Paper and poster abstracts are to be emailed to promaco@promaco.com.au by Thursday 31 May 2007. A template can be downloaded from www.promaco.com.au/2007/aseg

NOTE: All correspondence should be directed to the Secretariat Promaco Conventions via promaco@promaco.com.au.

EXHIBITION AND SPONSORSHIP

The exhibition floorplan is available online at the website below.

Sponsorship Packages are also available offering outstanding opportunities for promotion. Early booking is recommended for maximum exposure.

19[™] INTERNATIONAL GEOPHYSICAL CONFERENCE AND EXHIBITION

PERTH CONVENTION & EXHIBITION CENTRE WESTERN AUSTRALIA

18-22 NOVEMBER 2007

IMPORTANT DATES

ABSTRACT SUBMISSION Thursday 31 MAY 2007

NOTIFICATION OF ACCEPTANCE BY Friday 29 June 2007

NOTE: Guidelines for short papers will be provided with advice of acceptance.

FINAL PAPER
Friday 21 September 2007

PROGRAM OVERVIEW

The Conference and Exhibition will be held at the Perth Convention and Exhibition Centre from 18-22 November 2007.

DISC and workshops are planned on Sunday 18 November, followed by up to five streams of technical sessions from Monday 19 to Wednesday 21 November and thematic sessions on Thursday 22 November.

The exhibition will be open during the icebreaker reception on Sunday 18 November and then, from Monday through Wednesday.

FESWA will host a full-day stream on Tuesday.

A welcome icebreaker and dinner during the conference will be complemented by the annual ASEG/PESA golf tournament at the conclusion to the conference.

WORKSHOPS AND FIELD TRIPS

Workshops are planned in conjunction with the conference, with possible field-trips to the gold mining and petroleum production areas in Western Australia.

REGISTER YOUR INTEREST!

To register your interest and for more information:

www.promaco.com.au/2007/aseg www.aseg.org.au

TECHNICAL AREAS

exploration

& bevond

MINERALS

- Case histories Western Australia
- Case histories rest of World
- Iron ore
- Uranium
- Sea bed exploration
- Deep penetration geophysics
- Crustal solid earth
- Global data sets
- Inversion
- Seismic in mineral exploration

PETROLEUM

- Seismic acquisition
- Anisotropy and multicomponent seismic
- AVU
- Formation evaluation/Petrophysics/ Borehole geophysics
- Interpretation and case histories
- Reservoir characterisation
- Rock properties
- Seismic modelling and inversion
- Seismic processing
- Time lapse/CO₂ sequestration
- Electromagnetics
- Gravity and magnetics

ENVIRONMENTAL

- Groundwater
- Salinity
- Shallow water geophysics
- Geophysics in agriculture
- Mine site environmental and engineering geophysics
- Forensic geophysics and archaeology
- Contaminated site geophysics
- Environmental impact of geophysical surveys

GENERAL

- Opening session on Peak Oil
- Two sessions on solid earth
- Instrument Forum
- Regolith geophysics
- Radar and remote sensing
- World specific case histories (Gulf of Mexico, Middle East, Far East)
- Session on Geophysics in Government Surveys
- FESWA stand alone stream full day Tuesday

