

# Call for papers



## Future Discoveries are in our hands

### Invitation

On behalf of the Australian Society of Exploration Geophysicists (ASEG) and Petroleum Exploration Society of Australia (PESA), we cordially invite you to participate in the **21st International Geophysical Conference and Exhibition** to be held in Sydney, at the Sydney Convention and Exhibition Centre, NSW during 22-26 August 2010.

The conference theme: '**FUTURE DISCOVERIES ARE IN OUR HANDS**' reflects that well-applied geophysical strategies will be needed to find the next world-class resources and contribute to new wealth creation. The collaboration of two of Australia's premier geoscientific bodies promises to make this conference a stand out forum for the resource exploration geophysics community.

### Program Outline

The conference will commence with the icebreaker reception on Sunday, 22 August 2010 and then follow with up to four concurrent technical streams from Monday through Wednesday and a seminar day of three concurrent themes on the Thursday.

### Call for Papers

Abstract submissions are invited for Conference technical presentations. 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 Subcommittee will make the final decision regarding the acceptance of papers and posters. Initial abstracts or extended abstracts for all presentations will be published in the conference proceedings.

### Conference Secretariat

Conference Action  
PO Box 576, Crows Nest NSW 1585  
Tel: +61 2 9437 9333  
Fax: +61 2 9901 4586  
Email: [aseg-pesa2010@conferenceaction.com.au](mailto:aseg-pesa2010@conferenceaction.com.au)  
Web: [www.aseg-pesa2010.com.au](http://www.aseg-pesa2010.com.au)

### Key Dates

- **ABSTRACT SUBMISSION:**  
**Friday, 13 November 2009**

*Note: All submissions will be acknowledged. If you have not received acknowledgement of the receipt of your abstract within two weeks of submission, please contact Conference Action.*

- **NOTIFICATION OF ACCEPTANCE:**  
**Friday, 18 December 2009**

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

- **SUBMISSION OF EXTENDED ABSTRACTS FOR REVIEW:**  
**Friday, 26 March 2010**

*Note: Papers that do not meet the guidelines will not be published on the conference CD.*

### Submission of Initial Abstracts

- Abstracts are to be submitted online by Friday, 13 November 2010 at [www.aseg-pesa2010.com.au](http://www.aseg-pesa2010.com.au)
- Authors will be asked to upload their abstract via the conference website.
- Further abstract information including formatting details can be downloaded from [www.aseg-pesa2010.com.au](http://www.aseg-pesa2010.com.au) or requested by email from [aseg-pesa2010@conferenceaction.com.au](mailto:aseg-pesa2010@conferenceaction.com.au).

### Initial Abstract Specifications

- **ABSTRACT:** The abstract should be a condensation and concentration of the essential qualities of the paper or poster presentation. Do not include acknowledgements, figures or references.
- **LENGTH:** up to 250 words.
- **TECHNICAL AREA:** identify the preferred technical area from the suggestions below. Presentation: indicate preference for paper or poster submission.

### Presenter Profile

A brief personal profile of the presenter (maximum 100 words in sentence format) is required to be submitted online with your abstract submission.

### PLEASE NOTE:

- Presenters are expected to register and pay for the day of presentation or the full time program at least one month before the conference.
- All costs to attend the conference, including travel and accommodation, must be met by presenters.
- All correspondence should be directed to the ASEG 2010 Secretariat at: [aseg-pesa2010@conferenceaction.com.au](mailto:aseg-pesa2010@conferenceaction.com.au).

### Technical Areas

#### Seismic Data Processing

- Latest tools in seismic interpretation
- More efficient computing in the oil and gas industry
- 3D technologies
- Inversion breakthroughs
- Global partnerships in oil field R&D

#### Oil and Gas Exploration

- Coal seam gas exploration – How useful are traditional methods?
- Finding oil in complex geological terrains (eg PNG)
- Seismic attribute interpretation – distinguishing fluid and lithology signatures
- Seismic attribute interpretation – direct hydrocarbon detection update
- Emerging non-seismic techniques in oil field delineation (eg CSEM)
- Case histories in oil and gas discovery

#### Minerals Exploration

- Deeper penetration (More power, greater precision, better interpretation software)
- Satellite deposit detection
- Transferring oilfield technologies to mineral exploration
- Technology developments in mineral exploration
- Uranium exploration update
- Case histories of successes and failures of exploration under cover in major Australian mineral exploration domains including the Yilgarn, the Gawler, the Lachlan Fold Belt, etc – could include identifying new mineralised provinces, as well as exploration for gold, base metals, diamonds, iron ore & mineral sands

#### Engineering and Community

- Geophysics role in increasing innovative engineering opportunities
- Geophysics role in addressing major human crises
- Better delineating groundwater resources
- Case histories in environmental geophysics

#### The Discipline of Geophysics

- Greater clarity in imaging geology
- Discipline integration
- Education, experience and technology
- Exploration in China (with a geophysical focus)

#### Economics/Big Picture Topics

- Optimisation of "Greenfields" acreage acquisition
- The carbon trading/carbon reduction scheme
- Oil and gas supply/demand projections for the next decade/century?
- Supply/demand projections for gold/copper/nickel for the next decade/century?