



Society of Petroleum Engineers

Technical Programme Committee

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Schlumberger

SPE Applied Technology Workshop

NEW TECHNOLOGY & INNOVATION IN COALBED METHANE

26-29 SEPTEMBER 2010 • AYODYA RESORT BALI, BALI, INDONESIA

WORKSHOP DESCRIPTION

Natural gas in coal formations is an important resource that is helping address the world's growing energy needs in countries like Australia, Canada, China, India and USA. In many areas, market conditions and technological advances have made the exploitation of this resource a viable option. The unique characteristics of coalbed methane reservoirs demand novel approaches in formation evaluation, well construction, completion, stimulation and reservoir modeling. Recent advances in well design and production technology offer scope to significantly increase production of gas contained in coal that can be commercialised. Australia, for example, is at the forefront of these new developments, with dozens of new projects being developed to fill an identified strong market need in the Asia Pacific region in the form of LNG.

The main purpose of this Workshop is to facilitate discussions between the various geoscience and engineering communities in order to understand the increasingly complex interpretations of many new and maturing coalbed methane fields.

WORKSHOP OBJECTIVES

This Applied Technology Workshop (ATW) will provide excellent networking opportunities for sharing of the latest technologies and its deployment, best practices and fit-for-purpose techniques focused upon exploring, appraising and developing coalbed methane prospects. Among the topics and issues to be discussed are:

- Recent technology innovations in coalbed methane and identification of future needs.
- Industry best practices from a variety of projects, geological settings and countries.
- Novel applications through presentations of case studies and analogs.
- Exchange of ideas with fellow practitioners through syndicate sessions.
- Problems, solutions and applications that add value to companies and jobs.

The Workshop aims to assist the region's coalbed methane community in developing strategies and methodologies within their daily workflows which can reduce time and costs, yet still deliver fit for purpose work programs.

WHO SHOULD ATTEND

This Workshop is designed for asset managers, exploration managers, geologists, reservoir engineers, production technologists, drilling and completion engineers and key stake holders. The Workshop will be primarily interactive, exploring the full lifecycle of a coalbed methane project with key focus on the recent technological advancements in the field of coalbed methane.

Participants will be encouraged to present their case histories (successes, failures and lesson learnt) and other experiences for discussion.

EARLY BIRD REGISTRATION DEADLINE: 26 JULY 2010

REGISTRATION DEADLINE: 26 AUGUST 2010

REGISTER EARLY TO SAVE US\$100!

Documentation:

1. Proceedings will not be published; therefore, formal papers and handouts are not expected from speakers.
2. Work in progress, new ideas, and interesting projects are sought.
3. Professionally-prepared visual aids are not required; handwritten viewgraphs are entirely acceptable.
4. Note-taking by participants is encouraged. However, to ensure free and open discussions, no formal records will be kept.

Workshop Deliverables:

- The committee will prepare a full report containing the highlights of the Workshop discussions. This report will be circulated to all attendees. A one-page summary will be prepared by the Workshop Co-Chairperson, which will be posted on the SPE Web Site, and published in the Journal of Petroleum Technology (JPT), if space permits. The copyright of the summary report will belong to SPE.
- PowerPoint presentation materials will be posted on a specific SPE URL address after the Workshop. Provision of the materials by the discussion leaders will signify their permission for SPE to do so.

Commercialism:

In keeping with ATW objectives and the SPE mission, excessive commercialism in posters or presentations will not be permitted. Company logos must be limited to the title slide and used only to indicate the affiliation of the presenter and others involved in the work.

Registration Fees:**Early Bird Registration Deadline: 26 July 2010**

- **SPE MEMBER: US\$2,350.00/person on/before 26 July 2010**
- **NONMEMBER: US\$2,450.00/person on/before 26 July 2010**

Registration Deadline: 26 August 2010

- **SPE MEMBER: US\$2,450.00/person after 26 July 2010**
- **NONMEMBER: US\$2,550.00/person after 26 July 2010**

Fee includes the following:

- Three-day registration fee for all Workshop sessions;
- Four nights accommodation based on single occupancy with arrival Sunday, 26 September 2010 and departure Thursday, 30 September 2010;
- Welcome reception followed by dinner (Sunday evening);
- Three meals per day except on Tuesday;
- Daily coffee/tea breaks;
- Workshop Workbook and Certificate of Continuing Education Units (CEU).

Note: Registration fee does not include hotel accommodation and meal costs for additional family member(s).

Registration Policy:

- Registration fee **MUST** be paid in advance for attending the Applied Technology Workshop.
- Full fixed fee is charged regardless of the length of time that the registrant attends the Workshop.
- Fixed fee cannot be prorated or reduced for anyone (Workshop chairpersons, committee members, speakers, discussion leaders, students and registrants).
- Workshop is designed to be fully residential. Attendees are expected to attend all Workshop sessions and are not permitted to attend on a partial basis.

Cancellation and Refund Policy:

- A full refund less US\$150.00 processing fee will be charged for cancellation received before the registration deadline **26 August 2010**.
- For cancellation received after the registration deadline **26 August 2010**, 25% refund will be made to the registrant.
- No refund on cancellation received seven (7) days prior to the starting of the Workshop date, on or after **19 September 2010**.
- Substitutions will not be accepted without prior Programme Committee approval.
- **No refund** will be issued if a registrant fails to show up at the Workshop on-site.

Attendance Certificate:

All attendees will receive an attendance certificate attesting to their participation at the Workshop. This certificate will be provided in exchange for a completed Workshop Questionnaire.

Continuing Education Units:

This Workshop qualifies for SPE Continuing Education Units (CEU) at the rate of 0.1 CEU per hour of the ATW.

Workshop Venue:**Ayodya Resort Bali**

Jalan Pantai Mengiat
Nusa Dua 80363, Bali
Indonesia

Tel: 62.361.771102 • Fax: 62.361.771616

Website : <http://www.ayodyaresortbali.com>

Attendees' Information:

General and detailed accommodation information will be forwarded to registrants with the attendee package prior to the scheduled Workshop in September 2010.

Dress Code:

Casual clothing is recommended. The Workshop atmosphere is informal.

Transportation/Visa:

Delegates are advised to book their international/domestic airline tickets early from their country/city to Bali, Indonesia. Further detailed transportation information will be available and included in the attendee package, which will be sent to registrants in August 2010.

All travellers to Bali, Indonesia must be in possession of passports valid for at least six (6) months with proof of onward passage, either return, or through tickets. Contact your local travel agent for information on visa requirements to Indonesia.

**ATTENTION NON-MEMBERS:
JOIN SPE DURING THIS WORKSHOP AND RECEIVE YOUR
FIRST YEAR'S MEMBERSHIP FREE!
SUBMIT YOUR MEMBERSHIP APPLICATION ONSITE!**

NEW TECHNOLOGY & INNOVATION IN COALBED METHANE**PRELIMINARY DAILY ACTIVITIES AGENDA**

Note: While every attempt will be made to adhere to the schedule, the status/availability of session topics, discussion leaders and moderators are subject to change. For updated technical information, please visit SPE website at www.spe.org/atws.

Sunday, 26 September 2010

2:00 p.m.	Hotel Check-in
2:00 p.m. – 4:00 p.m.	Programme Committee Meeting
5:00 p.m. – 7:00 p.m.	SPE Registration and Poster Set-up
6:00 p.m. – 7:00 p.m.	Session Managers/Moderators and Discussion Leaders Meeting
7:00 p.m. – 9:00 p.m.	Welcome Reception/Dinner

Monday, 27 September 2010

7:30 a.m. – 8:30 a.m.	Breakfast
8:30 a.m. – 9:30 a.m.	Session 1: Introduction/Opening/Keynote Address
9:30 a.m. – 10:00 a.m.	Group Photo/Coffee Break
10:00 a.m. – 12:00 p.m.	Session 2: Appraisal, Pilot Design & Methodology
12:00 p.m. – 1:00 p.m.	Lunch
1:00 p.m. – 3:00 p.m.	Session 3: Early Development
	• Case Histories
	• Global Analogs
3:00 p.m. – 3:15 p.m.	Coffee Break
3:15 p.m. – 5:15 p.m.	Session 4: Reservoir Workflows & Evaluation Techniques
	• Geological Control for CBM Reservoir
	• Static and Dynamic Modeling
	• Production Data Analysis (PDA)
	• Key Learning/Lessons Learnt
5:15 p.m. – 6:30 p.m.	Session 5: Poster Session
7:00 p.m. – 9:00 p.m.	Group Dinner

Tuesday, 28 September 2010

7:30 a.m. – 8:30 a.m.	Breakfast
8:30 a.m. – 11:00 a.m.	Session 6: Analytical Method & Laboratory Technique
	• Key data: What do we need?
	• Data Gathering and Best Practices
11:00 a.m. – 11:15 a.m.	Coffee Break
11:15 a.m. – 1:15 p.m.	Session 7: Production Systems & Facilities Optimisation
	• Reservoir Surveillance (Techniques and Technologies)
	• Automation/Remote Access
	• Well Head Control
	• Novel Lift Mechanisms
	• Best Practices
1:15 p.m. – 2:15 p.m.	Lunch
Afternoon	Rest & Recreation/Networking Opportunities/ Dinner on own

Wednesday, 29 September 2010

7:30 a.m. – 8:30 a.m.	Breakfast
8:30 a.m. – 10:30 a.m.	Session 8: Technology Innovations & Drivers: Water Management
	• Bottom Hole Separation and Reinjection
	• Early Production of Gas and Effective Utilisation
	• Surface Water Treatment and Disposal
10:30 a.m. – 10:45 a.m.	Coffee Break
10:45 a.m. – 12:45 p.m.	Session 9: Breakout Session-Top 5 Innovative Technologies in CBM
12:45 p.m. – 1:45 p.m.	Lunch
1:45 p.m. – 5:00 p.m.	Session 10: Technology Innovations & Drivers: Drilling & Completion
	• Fracturing
	• Stimulation
	• Horizontal Wells
	• In-Seam Drilling
	• Coiled Tubing and Microseismic
3:45 p.m. – 4:00 p.m.	Coffee Break
5:00 p.m. – 6:30 p.m.	Session 11: Breakout Session Presentation/ Summary and Wrap-up
6:30 p.m. – 8:30 p.m.	Group Dinner

Thursday, 30 September 2010

7:30 a.m. – 10:30 a.m.	Breakfast at leisure
11:00 a.m.	Hotel Check-out

NEW TECHNOLOGY & INNOVATION IN COALBED METHANE

Poster Solicitation and Information

As an adjunct to the scheduled presentations, the Programme Committee will incorporate a poster presentation session in this Workshop. The poster session will allow participants an opportunity to present additional new ideas to those interested. The poster session is scheduled from **5:15 p.m. – 6:30 p.m. on Monday, 27 September 2010.**

All participants are encouraged to prepare and bring a poster presentation to the Workshop. Posters will be on display for the entire Workshop period and provide participants an excellent opportunity for networking. As with the session discussions, the poster session will be conducted off the record to encourage frank discussion and presentation of unconfirmed or partial results. Presentations on both research and field experience are solicited.

SPE WORKSHOPS AND COMMERCIALISM

The Workshop Programme Committee has a stated policy against the use of commercial trade names, company logos, or language that is commercial in tone.

Note that the Workshop Programme Committee will review all posters prior to display, and reserves the right to refuse permission to display any poster considered by the committee to be commercial in nature.

The poster display should be designed for eye-level viewing and made from simple graphic materials. Size of the poster board will be advised at a later time. The poster display may include printed materials, tables, graphs, photographs, or illustrations. All the materials should be of sufficient size so as to be easily read and should be prepared in a manner that will accomplish the following:

- Identify topic by title, presenter, affiliation, address, and phone number.
- Include a brief abstract that summarises the technology to be addressed.
- Make the display as self-explanatory as possible.
- Place the information sequentially; beginning with the main idea or problem, method used, result, etc. (Draw a plan keeping the size and number of illustrations in mind).
- Keep illustrations simple by using charts, graphs, drawings, and pictures to create interest and visually explain a point.
- Use contrasting colours.
- Use large print for narrative materials. (We suggest a minimum of 24 points or 3" high letters for the title).

Whether or not you elect to participate in the poster session or have been invited by the Programme Committee to present during one of the regular sessions, please come prepared to participate actively in the discussions. Open interaction is encouraged. With the full cooperation and participation of all attendees, we anticipate an outstanding Workshop.

NEW TECHNOLOGY & INNOVATION IN COALBED METHANE

Registration Form

Please Print or Type in Black Ink

SPE Member: Yes Membership No. _____ No

Name: _____
(First/Forename) (Middle) (Last/Family Name)

Position: _____

Company: _____

Address: _____

Town/City: _____ Zip/Postal Code: _____ Country: _____

Tel: _____ Fax: _____

E-mail: _____

Would you be willing to give a brief (10 minute) presentation ____ (Yes/No) or a poster presentation ____ (Yes/No) ?

If yes, please provide a title and a detailed description of the presentation in the space below (Use additional paper if required). One of the Programme Committee members will contact you to discuss your presentation.

Important: Registrants for SPE Applied Technology Workshops are accepted on the basis of information submitted by each registrant.

Technical Disciplines (Check One)

Drilling and Completions

Management and Information

Projects, Facilities and Construction

Health, Safety, Security, Environment and Social Responsibility

Production and Operations

Reservoir Description and Dynamics

Primary Responsibility (Check One)

Drilling

Economics

Geology

Geophysics

Management

Operation

Production

Reservoir

Surveillance

Other _____

List background and experience. (Use additional paper if required).

List your expectation for the Workshop, so that the committee can tailor a portion of the Workshop to answering attendees' concerns. (Use additional paper if required).

REGISTRATION FEE: (Please select appropriate box)

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SPE MEMBER: US\$2,450.00/person after 26 July 2010

NONMEMBER: US\$2,550.00/person after 26 July 2010

*Fee includes workshop registration, workbooks, certificate, 4 nights **SINGLE** accommodation with daily breakfast, 1-welcome reception/dinner, 3 luncheons, 2 dinners and daily coffee breaks.*

PAYMENT BY CHEQUE

U.S. Dollars Cheque to **Society of Petroleum Engineers**.

Payment Enclosed (Check No. _____)

PAYMENT BY CREDIT CARD

Credit Card Payment will be in U.S. Dollars only

American Express

Master Card

Visa

Diners Club

(Discover Cards are not accepted)

Card Number

Exp. Date

CVV Code

(CVV code is the 3 digit code on back of VISA/MasterCards and the 4 digit code on the front of American Express.)

Signature (as it appears on your credit card)

Name as it appears on Card _____

Billing address of Card _____

Zipcode/Postal Code of Card _____

Note: Forms will not be processed and space cannot be guaranteed unless accompanied by payment for total amount due.

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THIS FORM MAY BE USED AS A COMPANY INVOICE

Mail completed registration form with remittance and any supporting material to:

Society of Petroleum Engineers

Suite 23-02, Level 23, Centrepoin South, Mid Valley City
Lingkaran Syed Putra, 59200 Kuala Lumpur, Malaysia

Tel: +60.3.2288.1233 • Fax: +60.3.2284.9220 • E-mail: spekl@spe.org

To submit your registration online, please visit the SPE website at www.spe.org. The online payments are secured by VeriSign. (Credit Card Registration Only)

