



Society of Petroleum Engineers

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## SPE Applied Technology Workshop

8-11 March 2009  
Eastern & Oriental Hotel  
Penang, Malaysia

## MAXIMIZING THE VALUE OF HORIZONTAL AND MULTILATERAL WELLS: NEW CHALLENGES, TECHNOLOGIES, AND APPROACHES

Registration deadline:  
**8 February 2009**  
For Early Discount  
Apply inside or online  
at [www.spe.org/atws](http://www.spe.org/atws)

### Workshop Description

Multilateral and Horizontal Wells are field proven worldwide as the prevailing technology for developing oil and gas fields, especially for unconventional resources.

In this Workshop, you will learn about new, available technologies from multi-disciplined experts who will share their multilateral and horizontal well technology experiences. They will discuss the problems and solutions associated with multilateral drilling and completions, production, stimulation, and performance optimization of the reservoir or individual wells.

Workshop sessions that address candidate selection, modeling well performance, and optimizing well production with intelligent completions will help stimulate new applications of multilateral and horizontal well technologies. There will be a particular focus on current challenges for multilateral well technology, including selective intervention into all laterals, intelligent well instrumentation in multilateral wells, and predictions of the performance of complex well architectures. Lessons learned from the field will help illustrate how to achieve a better practice of this advancing technology.

### Workshop Objectives

The Workshop's focus on the latest practical applications will provide excellent networking opportunities for technology exchange, and the sharing of *Learned Lessons* and *Best Practices*. Topics that are expected to facilitate discussion include:

- Reservoir characterization for application of multilateral well technology – geology and geoscience considerations
- Reservoir simulation of complex well systems
- Drilling and completion of multilateral and horizontal wells
- Multilateral well performance and optimization
- Intelligent completion and application in multilateral wells
- Stimulation and intervention in horizontal and multilateral wells
- Field case histories
- Future developments

### Why Attend

This comprehensive and focused workshop will allow participants to:

- Review the latest technical advancements and identify challenges in multilateral wells
- Share new and novel applications through technical sessions and case studies
- Network with fellow participants from other companies and countries.
- Exchange ideas with fellow practitioners through group problem-solving sessions
- Discuss in-depth the problems/solutions and applications that could add value to their company and job

### Who Should Attend

- Geoscientist
- Drilling/completion engineers
- Reservoir engineers
- Production engineers
- Project managers and asset managers

**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: 8 January 2009**

- **SPE MEMBER : RM 7,740.00 (US\$2,150.00)/person on/before 8 January 2009**
- **NONMEMBER : RM 8,100.00 (US\$2,250.00)/person on/before 8 January 2009**

**Registration Deadline: 8 February 2009**

- **SPE MEMBER : RM 8,100.00 (US\$2,250.00)/person on/before 8 February 2009**
- **NONMEMBER : RM 8,460.00 (US\$2,350.00)/person on/before 8 February 2009**

**Fee includes the following:**

- Three-day registration fee for all Workshop sessions;
- Three nights accommodation based on single occupancy with arrival Sunday, 8 March 2009 and departure Wednesday, 11 March 2009;
- Welcome reception followed by dinner (Sunday evening);
- Three meals per day except on Wednesday;
- 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 & Refund Policy:**

- A full refund less **US\$150.00** processing fee will be charged for cancellation received before the registration deadline **8 February 2009**.
- For cancellation received after the registration deadline **8 February 2009**, 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 **1 March 2009**.
- 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:**

**Eastern & Oriental Hotel**

10 Lebuhr Farquhar  
10200 Penang, Malaysia  
Tel: 60.4.2222.000 • Fax: 60.4.2616.333  
Website : [www.e-o-hotel.com](http://www.e-o-hotel.com)

**Attendees' Information:**

General and detailed accommodation information will be forwarded to registrants with the attendee package prior to the scheduled Workshop in February 2009.

**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 Penang, Malaysia. Further detailed transportation information will be available and included in the attendee package, which will be sent to registrants in February 2009.

All travellers to Malaysia 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 Malaysia.

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

## MAXIMIZING THE VALUE OF HORIZONTAL AND MULTILATERAL WELLS: NEW CHALLENGES, TECHNOLOGIES AND APPROACHES

### Preliminary Daily Activities Agenda

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

#### Sunday, 8 March 2009

9:00 a.m. – 12:00 p.m.	Programme Committee Meeting
3:00 p.m.	Hotel Check-in
4:00 p.m. – 7:00 p.m.	SPE Registration/Poster Set-Up
6:00 p.m. – 7:00 p.m.	Discussion Leaders and Session Managers/Moderators Briefing
7:00 p.m. – 9:00 p.m.	Welcome Reception/Dinner

#### Monday, 9 March 2009

7:30 a.m. – 8:30 a.m.	Breakfast
8:30 a.m. – 9:30 a.m.	<b>Session 1: Introduction/Opening/Keynote Address</b>
9:30 a.m. – 10:00 a.m.	Group Photo/Coffee Break
10:00 a.m. – 12:00 p.m.	<b>Session 2: Reservoir Characterization: Geology and Geoscience</b>
12:00 p.m. – 1:00 p.m.	Lunch
1:00 p.m. – 3:00 p.m.	<b>Session 3: Drilling and Completion Operations</b>
3:00 p.m. – 3:15 p.m.	Coffee Break
3:15 p.m. – 5:15 p.m.	<b>Session 4: Reservoir Modeling</b>
5:15 p.m. – 6:45 p.m.	<b>Session 5: Reservoir Surveillance</b>
7:30 p.m. – 9:30 p.m.	Group Dinner

#### Tuesday, 10 March 2009

7:30 a.m. – 8:30 a.m.	Breakfast
8:30 a.m. – 10:30 a.m.	<b>Session 6: Production Optimization</b>
10:30 a.m. – 10:45 a.m.	Coffee Break
10:45 a.m. – 12:45 p.m.	<b>Session 7: Stimulation</b>
12:45 p.m. – 1:45 p.m.	Lunch
1:45 p.m. – 3:45 p.m.	<b>Session 8: Intervention</b>
3:45 p.m. – 4:00 p.m.	Coffee Break
4:00 p.m. – 6:00 p.m.	<b>Session 9: Monitoring and Control/Intelligent Completion Application</b>
7:00 p.m. – 9:00 p.m.	Group Dinner

#### Wednesday, 11 March 2009

7:30 a.m. – 8:30 a.m.	Breakfast
8:30 a.m. – 10:30 a.m.	<b>Session 10: Special Cases and New Challenges</b>
10:30 a.m. – 10:45 a.m.	Coffee Break
10:45 a.m. – 12:00 p.m.	<b>Session 11: Field Management, Risk and Economic Analysis</b>
12:00 p.m. – 12:30 p.m.	<b>Session 12: Summary &amp; Wrap Up</b>
12:30 p.m. – 1:30 p.m.	Lunch
Afternoon	Rest & Recreation/Networking Opportunities/Hotel Check-Out
Evening	Dinner on own

