



Reservoir Geomechanics

1–6 June 2008 ■ Colorado Springs, Colorado, U.S.A.

Cochairpersons: **Lisa Dell'Angelo**, Geomechanics International GMI
David Yale, ExxonMobil Upstream Research Company

Be sure to
apply by
2 April!

SPE Forum Description

The importance of geomechanics in reservoir performance analysis and prediction has been recognized for several decades. Conversely, its incorporation into our daily computations has been hampered due to several significant bottlenecks that involve data acquisition, interpretation, and software and hardware limitations. Historically, these bottlenecks have limited the application of geomechanics to a few (though important) near-wellbore problems such as wellbore stability, sand control, and hydraulic fracturing.

From the reservoir performance perspective, the application of geomechanics has been mostly limited to simplified representations to model hysteretic compaction (hence subsidence) and nonhysteretic varying rock compressibility. Over the past decade, there have been several serious attempts to integrate the geomechanical and the flow models in a practical manner. Thus, it is reasonable to assume that with the improvements in hardware speed and capacity, the daily use of these integrated solutions will become a reality over the next 5 to 10 years.

This SPE forum will focus on the future of geomechanics in reservoir performance analysis and predictive modeling. The topics will cover the problems associated with the data acquisition and interpretation, the application of geomechanics on naturally fractured reservoirs (including coalbed methane), shallow thermal applications, overpressured reservoirs, certain gas storage reservoirs, unconventional hydrocarbon reservoirs, fluid injection in stress-sensitive reservoirs, and fault reactivation.

Who Should Attend

If you have a role to play in meeting the challenges of tomorrow head-on, apply today to attend this forum. Participants will be selected on the basis of their ability to contribute to the discussion of the topic and to represent stakeholder groups.

Attendees Will

- Discuss common interests informally with colleagues from around the world.
- Share knowledge and experience in an off-the-record format.
- Gain new insight and perspective through conversations with others from international companies, service companies, contractors, research institutes, and universities.
- Enjoy the relaxed atmosphere of learning through one-on-one interaction.





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Forum Sessions

Session Title	Chairperson(s)
Basin/Prospect-Scale Data and Modeling	Thomas Dewers, Sandia Mauro Bloch, Petrobras
Overburden and Reservoir Boundary Effects	Rico Ramos, ConocoPhillips Leonid Germanovich, Georgia Institute of Technology
4D Seismic and Geomechanics Interaction	Tony Addis, Shell Nick Koutsabeloulis, V.I.P.S.
Data Acquisition and Interpretation	Dick Plumb, Schlumberger Dave Olgaard, ExxonMobil Upstream Research
Geomechanical Impact of Reservoir Processes on Reservoir Properties and Production	Nick Koutsabeloulis, V.I.P.S. Dan Moos, Geomechanics International
Fractured Reservoirs and Unconventional Resources	Dan Moos, Geomechanics International Thomas Dewers, Sandia
Impact of Temperature on Stress-Sensitive and Heavy Oil Reservoirs	Fersheed Mody, Shell International E&P Terry Stone, Schlumberger
Value of Geomechanics in the Life Cycle of a Reservoir	John McLennan, University of Utah Fersheed Mody, Shell International E&P
Injection Geomechanics	Mike Bruno, TerraLog Technologies Leonid Germanovich, Georgia Institute of Technology
Wrap-Up	David Yale, Exxon Mobil Lisa Dell'Angelo, Geomechanics International

Application Information

Participants at SPE Forums are selected by a steering committee based on the applicant's ability to contribute to the discussion of the topic. Attendance is limited to maximize each person's opportunity to contribute.

To apply, complete and return the application form in this brochure by **2 April 2008**. Please obtain appropriate approvals from your supervisor **prior** to applying to the forum. Include enough information about your experience and knowledge to enable the steering committee to evaluate your potential contribution to the forum. If the committee accepts your application, you will receive registration materials including more detailed information on housing, transportation, and fees.

The base fee of USD 2,895 for each forum participant includes the following:

- Registration to attend all nine forum sessions
- Five nights of hotel accommodation based on single occupancy
- Sunday evening welcoming reception and dinner
- Daily breakfast buffet
- Daily lunch (Monday through Thursday)
- Morning and afternoon (or evening) coffee breaks
- Thursday evening farewell reception

Please note: The base registration fee does not include accompanying persons. The registration fee is not transferable. Gratuity for exceptional services is discretionary. The full fixed fee is charged regardless of the length of time a registrant attends the forum. Attendees are expected to attend the entire forum.

Application

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Please print or type:

**This application is due by 2 April 2008.
Do NOT send payment with this form.**

**Please check here if you have
supervisor's approval to attend.**

Name (First/Given) _____ (Middle) _____ (Last/Family) _____

SPE Member Number _____ Check here if you are not an SPE member.

Job Title and Discipline _____

Company Name _____

Complete Mailing Address _____

Telephone Number _____ Fax Number _____

E-mail Address _____

IMPORTANT: List experience that qualifies you to attend this Forum, and specify your expectations of this Forum. Use additional paper if required.

Please identify your primary technical discipline from the six categories below.

- | | |
|---|--|
| <input type="checkbox"/> Drilling and Completions. | <input type="checkbox"/> Health, Safety, Security, Environment, and Social Responsibility. |
| <input type="checkbox"/> Production and Operations. | <input type="checkbox"/> Projects, Facilities, and Construction. |
| <input type="checkbox"/> Management and Information Technology. | <input type="checkbox"/> Reservoir Description and Dynamics. |

Indicate a topic that you would be able to present and discuss concerning evolving and future technologies, issues, and challenges. Remember that presentations are to be only 5 to 10 minutes in length, with only 3 to 4 slides. No professionally prepared visual aids are to be used. Attach additional paper if required.

Do you wish to present a poster? If so, please specify topic and provide a brief description.

The Poster Chairperson will notify you by telephone or e-mail if your poster topic is accepted.

**This APPLICATION is due by 2 April 2008.
Do NOT send payment with this form.
This is NOT a registration form.**

Submit this completed application by mail, fax, online, or by e-mail.
Mail: REGISTRAR
SPE FORUM SERIES
P.O. Box 833836, Richardson, TX 75083-3836 U.S.A.
Fax: +1.972.952.9435
E-mail: registration@spe.org

Recording of any portion of the SPE Forum Series in any form (photographic, electronic, etc.) is strictly prohibited. Extensive note taking is forbidden. Printed reference to any SPE Forum discussion is not permitted without the consent of the parties involved. All participants are specifically requested to omit public reference to Forum proceedings in any published work or oral presentation. Registrants agree to attend **all** Forum sessions and to discuss and share with forum participants their experiences and knowledge in the subject area, specifically in those areas of advanced technology in a given subject.

Each participant agrees to the above regulations when application is submitted.

Signature _____ Date _____

Applications are reviewed by the Forum Steering Committee. Accepted applicants will receive their registration forms and other materials electronically as soon as possible after acceptance.



The Forum Series Format

The SPE Forum Series provides nine alternate mornings, afternoon, and evening sessions of short scheduled and unscheduled presentations with maximum time available for informal discussions and exchange of experience.

To encourage maximum discussion, lengthy formal presentations are discouraged. Presentations are usually limited to three or four slides or transparencies. Breakout sessions for discussions in smaller groups are common. Participants are encouraged to come prepared to contribute their experience and knowledge, NOT to be spectators or students.

To create a cohesive group in which discussion is free flowing, attendance at forums is limited, and only registrants are allowed to attend sessions. To ensure opportunities for formal and informal discussions, all attendees are expected to attend every forum session.

To encourage the free interchange of information and ideas, SPE Forums are conducted off the record. Written papers are prohibited, and extensive note taking is not allowed. Mechanical recording of any portion of the forum in any form (photographic, electronic, etc.) is prohibited. Information disclosed at a forum may not be used publicly without the originator's permission. Participants are specifically requested to omit reference to forum proceedings in any subsequent published work or oral presentation.

A short written summary of major issues and consensus arising from the forum may be prepared and distributed to attendees after the forum at the discretion of the program committee and with appropriate SPE approval.

Location, Housing, and Transportation

If your application is accepted by the committee, you will receive acceptance material electronically as soon as possible after acceptance. If your application is placed on a waiting list, you will receive notification of that fact. Forum sessions and housing will be at Cheyenne Mountain Resort, Colorado Springs, Colorado. Ground transportation may be arranged individually through Hertz, Avis, Budget, or National Car Rental after acceptance and registration or through the resort at telephone number +1.719.538.4000. [Ask for the bell desk.]

The 2008 SPE Forum Series Program

Laguna Beach, Phuket, Thailand

11–16 May ■ Deepwater and Harsh Environment

Colorado Springs, Colorado, U.S.A.

1–6 June ■ Reservoir Geomechanics

Kananaskis, Canada

24–29 August ■ Steam Generation

24–29 August ■ R&D Meets Reality: Processing Technologies That Will Make a Difference

Cascais, Portugal

31 August–5 September ■ Revisiting Water Injection in the 21st Century

Dubrovnik, Croatia

14–19 September ■ Well Construction in 2020+

21–26 September ■ Terabytes in Asset Management

Dominican Republic

26–31 October ■ Improved Recovery in Offshore Reservoirs

Aqaba, Jordan

21–26 February 2009 ■ Naturally Fractured Carbonate Reservoirs: Characterisation, Modelling, and Simulation

