



NEWSLETTER: AUGUST 2007

From VP Newsletter

There will be no LPS meeting in August. We are taking our customary summer holiday. Our next evening meeting will therefore be on Monday 17th September when Dr Branko Bijeljic of IC will be our speaker. He will report on the latest work from IC's Pore Scale Modelling Research group, with emphasis on the petrophysical aspects of CO₂ injection/sequestration as a potential tertiary oil recovery scheme, a hot topic as our industry looks to be more carbon neutral in the future. A fuller abstract will follow next month.

LPS Autumn One Day Seminar

The LPS autumn seminar; "Integrating Rock Physics with Petrophysics for Improved Reservoir Characterisation", is scheduled for Thursday 27th September at the Geological Society at Burlington House, Picadilly.

Who Should Attend?

Petrophysicists, geologists, reservoir engineers, and geophysicists.

Why?

Integrating petrophysics with rock physics plays a critical role in providing the necessary information for reservoir engineers, geologists, and geophysicists to intelligently judge the risks and opportunities involved with developing a well or an entire field.

Petrophysics and rock physics can identify rock properties necessary to construct a model of the subsurface, directly reduce risk, improve process efficiency, enhance overall production, and increase the rate of return of economic assets.

The technical program includes:

An introduction to rock physics; Data acquisition programs for successful geomechanics projects; Acoustic measurements on core; Pore pressure prediction, Wellbore stability analysis, Coupled geomechanical and production simulation modelling; Stress dependency of mechanical and petrophysical rock properties; Fluid substitution in shaley sands; The application of rock-physics modelling to AVO interpretation, Petro-elastic modelling for 4D seismic interpretation.

Presentations by:

Schlumberger, Rock Deformation Research Group (RDR), Petro-Canada, Ikon Science, Rock Physics Associates, The Herriot-Watt institute of Petroleum Engineering, Fugro-Jason, Schlumberger, SINTEF Petroleum Research, GeoMechanics International Inc, and others. A keynote speech will be provided by Colin McPhee of Senergy Ltd.

Registration Cost:

£125 for LPS/PESGB/AFES/SPE Members

£150 for Non-members

LPS is not VAT registered.

For further information and registration forms visit: <http://www.lps.org.uk> or e-mail: rwebber@fugro-jason.com



Integrating Rock Physics with Petrophysics for Improved Reservoir Characterisation

LPS Seminar Draft Agenda

Thursday 27th September 2007

The Geological Society, Burlington House, Piccadilly, London

Time	Speaker	Title	Company
9.00	Adam Moss	Welcome and Introduction	BG Group
9.10	Colin Mophee	Keynote: The use of Petrophysics in Geomechanics	Senergy Ltd
9.50	Rob Marsden	A Proposed Data Acquisition Program for Successful Geomechanics Projects	Schlumberger
10.20	Prof. Colin MacBeth	Petro-elastic modelling for 4D seismic interpretation	Herriot-Watt Institute of Petroleum Engineering
10.50	COFFEE BREAK		
11.15	Quentin Fisher	The role of coupled geomechanical and production simulation modelling	Rock Deformation Research Group (RDR)
11.45	Mike Bacon	Pore pressure prediction from seismic data for well planning offshore Trinidad	Petro-Canada
12.15	Dr. Martin Brudy	Wellbore stability and fracture prediction	GeoMechanics International, Inc.
12.45	LUNCH		
14.00	Rob Webber	'Seismic petrophysics' and rock physics modelling, for a 4D simultaneous (AVO) inversion	Fugro-Jason Ltd
14.30	Rob Simms	Gassmann Fluid Substitution in Sand/Shale Sequences	Rock Physics Associates Ltd
15.00	TEA		
15.30	Dr. Jan Jun	Modified Xu-White model and its application to AVO study based on well log, core and seismic data	Ikon Science
16.00	Li Liming	PETRUS and PETRUSCA projects, predicting stress dependency of mechanical and petrophysical rock properties	SINTEF Petroleum Research
16.30	Panel Discussion		
17.00	Wine and Savouries		

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or e-mail: rwebber@fugro-jason.com



London Petrophysical Society
Registered Charity Number 1020083
A Chapter of SPWLA

Dates for Your Diary

2007

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17 th September	6pm	Monthly Meeting	Burlington House
27 th September		One Day Seminar	Rock Physics
			Burlington House