



Rock Physics provides the connections between geophysical data measured at the earth surface, within the borehole, or in the laboratory with the intrinsic properties of rocks. Combining the concepts and principles from fundamental physics, applied mathematics, geology and geophysics, and other disciplines, Rock Physics provides theoretical and empirical relationships, the understanding, and modeling tools to optimize geophysical imaging and characterization solutions based on the measured data, transforming the geophysical data to physical properties of reservoir rocks and fluids. Rock Physics is an indispensable component in oil and gas exploration, development, and production and is gaining momentum in the industry. As today's industry faces challenges from unconventional reservoirs such as shale gas/oil, tight sands, and fractured carbonates, more accurate and effective rock physics solutions are needed.

Borehole geophysical data provide in-situ measurements to delineate reservoir structure and determine physical properties of reservoir rocks and fluids. Today's challenge of borehole geophysical community is how to provide cost-effective and value-added solutions to the exploration and exploitation of conventional and unconventional reservoirs. This requires more accurate and quantitative estimation of reservoir properties and improved integration of rock physics with logging, borehole, crosswell, and surface seismic data.

This workshop will focus on four key areas : (1) accurate and more complex rock physics solutions and models, (2) high resolution seismic imaging around and away from borehole, microseismic monitoring, (3) wireline logging and reservoir characterization, and (4) improved seismic-well data integration.

The technical program will start with an opening session. Each day the workshop will have two sessions focusing on two of the key technical areas. Each session will start with keynote speeches on the theme of the session followed by presentations and discussion sessions.

## ABSTRACT SUBJECTS

The topics of the workshop include:

- *Rock physics – Rock physics models for carbonates, fractured rocks and unconventional; quantitative interpretations; experimental rock physics; digital rock physics;*
- *Well logging – Accurate P- and S-velocity measurement, reservoir characterization and formation evaluation, fracture detection and characterization, seismic-well data integration;*
- *Borehole acoustic and seismic – High resolution imaging around and between wells, time-lapse monitoring, well-seismic tie, VSP, crosswell seismic, hydraulic fracturing evaluation and monitoring;*
- *New concepts and innovative technology – distribute acoustics sensing (DAS), advances in rock physics, innovative methodology/technology in all rock physics/geophysics disciplines.*

## DEADLINE - 20 May 2016

### CALL FOR ABSTRACTS SUBMISSION:

The Call for Abstracts opens on 21 March 2016. The abstract should be no more than four pages and should strictly comply with the Workshop Abstract Template. The abstract can be submitted in either Microsoft Word or in PDF format to SEG China (Email:china@seg.org).

The proceedings of these abstracts will be provided to the participants, and will be published in SEG Digital Library. Presenters are invited, but not required, to share their slides or posters digitally after the workshop.

### TECHNICAL CO-CHAIRS

**Prof. Xiaoming Tang**, China University of Petroleum (East China)

**Dr. Gang Yu**, BGP Inc., CNPC

**Dr. Ran Zhou**, Halliburton

# CALL FOR ABSTRACTS



**SEG**  
WORKSHOP  
BEIJING CHINA  
28-30 AUGUST 2016

**Rock Physics and Borehole Geophysics**



**PRINT IN BLACK INK OR TYPE**

Mr.     Ms.     Dr.

Name, Job Title \_\_\_\_\_

Company/Organization \_\_\_\_\_

Abstract Title \_\_\_\_\_

Author(s) \_\_\_\_\_

Mailing Address \_\_\_\_\_

City & State \_\_\_\_\_

Postal Code \_\_\_\_\_

Country \_\_\_\_\_

Business Phone \_\_\_\_\_ Mobile Phone \_\_\_\_\_

E-mail \_\_\_\_\_

Note: The mechanical recording of any portion of the 2016 SEG Workshop in any form (photographic, electronic, etc.) is strictly prohibited. Printed reference to the Workshop presentations or discussions is not permitted without the consent of the parties involved. All participants are requested to omit public reference to the Workshop proceedings in any published work or oral presentation. Only registrants are permitted to attend Workshop sessions. Each participant agrees to these regulations when application is accepted, as indicated by his or her signature on this form.

Signature \_\_\_\_\_ Date \_\_\_\_\_

**DEADLINE - 20 May 2016**

Please e-mail your abstract to: **SEG China Office**  
Email: china@seg.org  
Phone: +8610 5820 5048

CONNECT  
**SEG China Wechat**



**TECHNICAL CO-CHAIRS**  
Prof. Xiaoming Tang, China University of Petroleum (East China)  
Dr. Gang Yu, BGP Inc., CNPC  
Dr. Ran Zhou, Halliburton