

FIRST ANNOUNCEMENT & CALL FOR PAPERS

**International Symposium on
Digital Rock Physics and Applications**

30-31 March 2016

**China University of Petroleum
Beijing, China**

Scientific Committee

Lizhi Xiao *co-chair* (China University of Petroleum, Beijing)
Dirk Smit *co-chair* (Shell)
Martin Blunt *co-chair* (Imperial College)
Christophe Arns (University of New South Wales)
Fateh Bouchaala (The Petroleum Institute, UAE)
Eva Caspari (University of Lausanne)
Hu Dong (iRock Technologies)
Liyun Fu (Chinese Academy of Sciences)
Boris Gurevich (Curtin University)
Tianyue Hu (Peking University)
Xudong Jing (Shell)
Ing Joonsang (Norwegian Geotechnical Institute)
Zubair Kalam (Abu Dhabi Company for Onshore Petroleum Operations Ltd.)
Mark Knackstedt (FEI)
Herman Lemmens (FEI)
Haque Mondol (University of Oslo & Norwegian Geotechnical Institute)
Tobias Müller (Commonwealth Scientific and Industrial Research Organization)
Milad Saidian (Colorado School of Mines)
Douglas Schmitt (University of Alberta)
Xiaowen Shan (China University of Petroleum, Beijing)
Sandra Vega (The Petroleum Institute, UAE)



Symposium Overview

This 2016 symposium aims to review the latest development of digital rock physics with emphasis on its application to petroleum industry, especially the current and potential contributions to exploration and exploitation of unconventional resources.

Invited speakers and technical presentations will introduce the advancement and latest developments in the related areas. The poster session provides an opportunity to explore and discuss these topics in more detail and depth. Two panel discussions will be held to stimulate the discussion on the current industry challenges, recent developments, the key issues for R&D and the way forward.



This symposium encompasses all aspects of rock physics with an emphasis on digital rock analysis. Topics of interest include, but not limited to:

Laboratory rock physics: new methods

- ✓ Frequency dependent elastic properties
- ✓ Micro structure characterization
- ✓ Fracturing and acoustic emission
- ✓ Core flooding and multi-phase fluid flow, with CT imaging

Theoretic and numerical studies: latest advances

- ✓ Elastic properties: numerical simulation
- ✓ Frequency dependence and scale dependence
- ✓ Digital rock methods
- ✓ Nano-scale petrophysics: molecular dynamic theories and simulations
- ✓ Up-scaling

Rock physics for unconventional resources

- ✓ Influence of anisotropy
- ✓ Rock physics for hydraulic fracturing

- ✓ Innovative petrophysical studies for shale oil and gas
- ✓ Carbonate reservoirs
- ✓ Coal bed methane and tight gas

Rock physics for reservoir surveillance

- ✓ Influence of fluid flow and saturation
- ✓ AVO and rock physical properties
- ✓ Stress, fractures, and micro seismicity

Current industry practice

- ✓ Combination of laboratory experiments and digital rock techniques
- ✓ Rock physics for conventional oil and gas
- ✓ Using of seismic wave attenuation in reservoir characterization
- ✓ Contribution of rock physics in shale gas prospecting and exploitation
- ✓ Case studies in carbonate, coal bed methane and tight sand

Important Dates

15 September, 2015	Call for Papers Opens
30 December, 2015	Call for Papers Closes
15 January, 2016	Author Notification
15 February, 2016	Technical Program Announced
15 February, 2016	Registration Opens
30 March, 2016	Registration Closes
30-31 March, 2016	Symposium

Invitation to Beijing

The EAGE and SCA jointly invite you to the EAGE-SCA International Symposium to be hosted by China University of Petroleum, Beijing (CUPB) on 30-31 March, 2016. This 2016 Symposium will focus on the new and exciting developments and applications of digital rock physics.



Beijing, the capital of Peoples Republic of China, is the national center of politics, economics, and culture. There is an amazing mix of old and new such as the historical Great Wall and the inspiring "The Bird's Nest". China University of Petroleum, Beijing (CUPB), is located in Changping County, north side of Beijing. It is about 5 miles to the Ming Tombs and 15 miles to the Great Wall. CUPB offers not only engineering programs in traditional oil and gas science but also other comprehensive programs such as computer science and business management, etc.



This symposium will include keynote speeches, technical presentations, poster exhibition and digital rock laboratory visiting. A Sightseeing tour will be organized after the symposium including historical landmarks, social activities and other attractions.

Abstract Submission

The scientific committee welcome contributions of 1-2 pages extended abstract in English which should include a brief description of work performed, results, and significance. Figures may be included as necessary to explain the abstract. Please send the abstracts to sunlq@cup.edu.cn for paper submission by 30 December, 2015.

All abstracts will be reviewed and selected by the symposium scientific committee for the relevance and quality. To facilitate travel arrangements, invitation letter to attend and participate in the symposium may be issued upon request after acceptance of an abstract. A presentation schedule will be tentatively planned at that time, and final confirmed symposium program will be informed by separated notice.

Organizing Committee (TBC)

Co-chairs:

Hu DONG (SCA, iRock Technologies)
Yang LIU (EAGE, China University of Petroleum, Beijing)
Hai-Guang YANG (Shell)

Members (Alphabetical):

Jun LI (SINOPEC)
Langqiu SUN (China University of Petroleum, Beijing)
Genyang TANG (China University of Petroleum, Beijing)
Chenchen WANG (iRock Technologies)
Bo ZHAO (CNPC-BGP)
Yan ZHANG (CNPC-RIPED)

Secretary

Li TANG (China University of Petroleum, Beijing)

Registration

Please fill the below registration form and send to tangli@cup.edu.cn for Symposium registration. The registration fee (150 Euro for students, 360 Euros for others) can be paid on site.

Registration Form	
Title	Mr./Ms./Dr./Prof.
Name	
Company/Institute	
Job Position	
Email Address	
Will you need invitation letter?	

Contacts

Should you have any concerns, please contact:

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