









## 2018 International Technical Forum for Efficient and Refined Reservoir Development Program

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08:30-09:00	Welcome	Prof. Lihui Zhang Vice President, Southwest Petroleum University Mr. Geping Wang Managing Director, Colchis PetroConsulting Mr. Shitai Dong Rockphysics committee of Chinese Geophysical Society
<b>Oral Session 1</b>		
09:00-09:30	Rock to Reservoir Integrated Technology in Refined Development of Reservoirs	Zhiliang Ming/Colchis
09:30-10:00	Reservoir Simulation Sprint - Improving Efficiency through Collaboration and Integration Inside a Single Technology	Derric Ong/RFD
10:00-10:30	Tea break	
10:30-11:00	Industry Premiere Solutions of Cloud Reservoir Simulation with GPU Calculation	Colchis/Aliyun
11:00-11:20	GPU Technology and application at O&G Exploration and Development	Huaping Luo/nVidia
11:20-11:40	Geophysical Constrains for Reservoir Simulation and History Matching	Xuri Huang/SWPU State Key Laboratory
11:40-12:00	Darcy Law of Three-Phase Compressible Fluids in Porous Media with a Jump Interface	Xiaolong Peng/SWPU State Key Laboratory
12:00-13:30	Lunch	
<b>Oral Session 2</b>		
13:30-14:00	Numerical Characterization of Reservoir Properties Based on Digital Core Reconstruction	Guan Qin/University of Houston
14:00-14:30	3D Digital Rock Integrated Analysis System and Application	Eric Ho/ThermoFisher
14:30-15:10	Digital Rock Technology New Method for EOR and Application	Vladimir Shklover/Systems for Microscopy and Analysis
15:10-15:30	Tea break	
15:30-16:00	Research of Digital Rock Analysis & Multi-scale Data Integration Workflow	Frank Chen/Colchis
16:00-16:30	Visualizing Pore Structure Applied in Reservoir Prediction of Tight Carbonate Rock	Zhifang Yang/RIPED of PetroChina
16:30-17:00	Characterization and Evaluation of Nano Pore in Shale Gas Reservoir by Using FIB-SEM	Shangwen Zhou/RIPED Langfang
17:30-20:30	Dinner	

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### Oral Session 3

- 08:30-09:00 tNavigator Simulation Technology Applied in tapping remaining oil at Developed Water-flooding Reservoir  
Qiang Zheng/ PetroChina Xingjiang
- 09:00-09:30 Application of New Generation Numerical Simulation Technology in the Development of Typical Carbonate Reservoirs in the Middle East  
Chenji Wei/RIPED
- 09:30-10:00 Efficient Simulation Technologies Applied in Refined Complex Reservoirs  
Peiqing Lian/PEPRIS of SinoPec
- 10:00-10:20 Tea break
- 10:20-10:50 tNavigator Simulation Applied in Efficient Developing Multi-payzone of Marine facies at Eastern South China Sea  
Zong Dai, Hailong Li/CNOOC Shenzhen
- 10:50-11:20 Research on Evaluation Technique of Seepage Field in High Watercut Stage in Complex Fault Block Reservoirs  
Lixin Meng, Qi Guo/PetroChina Dagang
- 11:20-11:50 Refined Reservoir Simulation of Deep Stratigraphy of Block 4 at AshikoIS Oilfield  
Xiaoying Zheng/SinoPec East China

12:00-13:30 Lunch

### Oral Session 4

- 13:30-14:00 Coupled Numerical Simulation of Fracturing Expansion and Production Dynamics at Shale Gas Reservoirs  
Yulong Zhao/ SWPU State Key Laboratory
- 14:00-14:30 Prospect of Accurate Numerical Simulation Technology Applied in Tahe Bottom Water Drive Reservoir Development  
Lian Dou/SinoPec Northwest
- 14:30-15:00 Research of Pore Network Model and Microscopic Flow Simulation  
Yonggang Duan/ SWPU State Key Laboratory
- 15:00-15:20 Tea break
- 15:20-15:50 Two-phase Flow Numerical Simulation Based on Lattice Boltzmann Method of Digital Rock Analysis  
Xiangjun Liu/ SWPU State Key Laboratory
- 15:50-16:20 Pore Characteristics of Chang 7 Tight Reservoir at Ordos Basin  
Xiaohui Zhang/PetroChina Changqing
- 16:20-16:40 Water Invasion Research at Super Massive Refined Reservoir Simulation  
Qikui Yu/SinoPec Zhongyuan

16:40-17:30 Experts Review

17:30-20:30 Dinner