

Session Program

14-17 May 2018



INTERPORE

InterPore 10th Annual Meeting and Jubilee
May 14-17 2018, New Orleans, USA
interpore.org/neworleans

LSU Tulane University



InterPore2018 New Orleans

Parallel 5-E

New Orleans

Tuesday 15 May

14:35

Parallel 5-E

Session | **Location:** New Orleans

14:37-14:52

Pore Structure Evaluation and Fluid Assessment for Permian Carynginia Shale

Speaker

Ms Yujie Yuan

14:55-15:10

Changing mechanical properties of nanomaterials by surface modification and the impact of capillarity

Speaker

Jürgen Markmann

15:13-15:28

Dissipative Particle Dynamics Based Mesoscale Modeling of Multiphase Flow in Reconstructed High-Resolution Nanoporous Shale Pore Networks

Speaker

Dr Yidong Xia

15:31-15:39

Short Break

15:40-15:55

Capillary-condensation-induced stress in complex multi-scale porous materials

Speaker

Mr Edmond Zhou

15:58-16:13

Effects of Confinement and Surface Force on Methane Hydrate in Porous Media

Speaker

Mr Dongliang Jin

16:16-16:31

Porosity effects on phase diagram of gas condensate mixture

Speaker

Dr Vasily Pisarev

16:34-16:49

Imbibition on the single-pore level: what happens in the absence of cooperative phenomena?

Speaker

Prof. Martin Steinhart

16:52-16:54

Predictions of Solvation Pressure in Mesopores Based on Saam-Cole Theory

Speaker

Ms Alina Emelianova

16:55-16:57

Adsorption of small molecules in the intermediate structures of breathing MOF**Speaker**

Ms Justyna Rogacka

16:58-17:00

Characteristics and New Scaling for Forced Imbibition Based on Low-Field Nuclear Magnetic Resonance Measurements**Speaker**

Dr Yun Jiang

17:01-17:03

Interaction of pentane and 2-pentanone with UiO-66(Zr) by solid-state NMR**Speaker**

Marc Wagemann

17:04-17:06

Monte Carlo simulation of argon adsorption in 3D Om carbon pores with potential based on spheres with openings**Speaker**

Mr Max Maximov

17:07-17:09

Oil/water two-phase slip flow in a random pore network of shale**Speaker**

Mr Ronghao Cui

17:10-17:12

Flow Model and Flow Equation of Shale Gas Based on Micro Flow Mechanism**Speaker**

Mr Hua-xun Liu

17:13-17:15

A Molecular Dynamics Approach for Predicting the Glass Transition in pores**Speaker**

Ms Elena Kirova

17:15