

第二届国际多孔介质协会中国年会 暨第四届数字岩心分析技术国际研讨会

The 2nd China InterPore Conference on Porous Media &
the 4th International Conference on Digital Core Analysis

日程安排



中国，青岛
Qingdao, China

2018年7月8日-11日
July 8-11, 2018

日程安排(Conference Agenda)

July 9th, 2018, Monday

08:30 - 08:40	Opening Ceremony <i>Leader from University</i>
08:40 – 08:50	Introduction of InterPore <i>Oleg Iliev, Fraunhofer Institute for Industrial Mathematics ITWM, Germany</i>
Session 1	Chairman: Jun Yao, Kai Zhang
08:50 - 09:20	Machine Learning in the Subsurface <i>Dongxiao Zhang, Peking University, China</i>
09:20 - 09:45	Multiscale Simulation for Gas Flow in Micro/nano Pores of Deep-Seated Rocks <i>Moran Wang, Tsinghua University, China</i>
09:45 - 10:10	Stable and scalable sequential schemes for compositional simulation <i>Arthur Moncorgé, TOTAL E&P, UK</i>
10:10-10:45	Group Photo & Tea break
Session 2	Chairman: Hossein Hejazi, Yongfei Yang
10:45-11:10	A Divide-and-Conquer Method for Large-Scale Water Flooding Optimization <i>Kai Zhang, China University of Petroleum (East China), China</i>
11:10-11:35	Multiphysics simulations of electrochemical devices using pore network modeling <i>Jeff Gostick, University of Waterloo, Canada</i>
11:35-12:00	Digital Rock Physics for Petro-physical Analysis of Reservoir Rocks: Challenges and Opportunities <i>Jingsheng Ma, Heriot-Watt University, UK</i>

	BUFFET LUNCH
Session 3	Chairman: Christoph Arns, Jianchao Cai
14:30 - 15:00	Quantification of Multi-Scale Nature of the Porous Media Flows and Scale Up: Current Challenges <i>Birol Dindoruk, Shell International E&P Inc., USA</i>
15:00 - 15:25	Finite analytic numerical method for fluid flows in heterogeneous porous media <i>Xiaohong Wang, University of Science & Technology of China, China</i>
15:25 – 15:50	Organic hosted and intergranular pore networks: Topography and Topology in Grains, Gaps & Bubbles <i>Andrew Matthew, Carl Zeiss(Shanghai)Co., Ltd</i>
15:50 – 16:15	Multi-scale Pore Network Modeling of Gas Transport in Shale Gas Reservoirs <i>Wenhui Song, China University of Petroleum (East China), China</i>
16:15 - 16:45	Tea break & Poster Discussion
Session 4	Chairman: Stefan Iglauer, Yingfang Zhou
16:45 - 17:10	Progresses on research of digital core techniques by fractal geometry <i>Boming Yu, Huazhong University of Science and Technology, China</i>
17:10 - 17:35	A Data Enabled Model for Coupling Dual Porosity Flow with Free Flow <i>Craig C. Douglas, University of Wyoming, USA</i>
17:35 - 18:00	Flow simulation in unconventional reservoirs: from nano-scale to micro-scale <i>Yongfei Yang, China University of Petroleum (East China), China</i>
19:00	Welcome Dinner, Yanxi Hall, 1 st Floor, Blue Horizon Hotel (蓝海一楼燕喜堂)

July 10th, 2018, Tuesday

Session 5	Chairman: Arthur Moncorgé Moran Wang
08:30 - 09:00	The Impact of Fracture Roughness on Permeability-Stress Relationships <i>Roland Horne, Stanford University, USA</i>
09:00 - 09:25	On pore scale simulation of reactive flow <i>Oleg Iliiev, Fraunhofer Institute for Industrial Mathematics ITWM, Germany</i>
09:25 - 09:50	Determination of fractal structure parameters and flow characteristics of porous media based on digital rock images <i>Jianchao Cai, China University of Geosciences (Wuhan), China</i>
09:50-10:15	Pore-scale Simulations Using Boltzmann Equation for Conventional and Unconventional Rock Samples <i>Jun Li, King Fahd University of Petroleum and Minerals, Saudi Arabia</i>
10:15 - 10:45	Tea break & Poster Discussion
Session 6	Chairman: Jeff Gostick, Jingsheng Ma
10:45 – 11:10	Integrating conventional and digital rock physics for advanced petrophysical cross-correlations <i>Christoph Arns, The University of New South Wales, Australia</i>
11:10 - 11:35	Several breakthroughs on pore network modelling for complex rocks <i>Zeyun Jiang, Heriot-Watt University, UK</i>
11:35 - 12:00	A diffusive interface method for two-phase flows with soluble surfactants <i>Guangpu Zhu, China University of Petroleum (East China), China</i>
	BUFFET LUNCH

Session 7	Chairman: Craig C.Douglas, Boming Yu
14:30 - 15:00	Reservoir Simulations and Molecular Simulations of Conventional and Unconventional Hydrocarbon Formations <i>Abbas Firoozabadi, Yale University, USA</i>
15:00 - 15:25	Coal microstructures and how they are affected by fluid-rock interactions <i>Stefan Iglauer, Edith Cowan University, Australia</i>
15:25 - 15:50	Numerical study of hydraulic fracturing in an anisotropic poroelastic medium via a hybrid EDFM-XFEM approach <i>Qingdong Zeng, China University of Petroleum (East China), China</i>
15:50 - 16:15	Pore scale visualisations of oil-water-additive interactions in reservoir-mimetic microfluidic <i>Hossein Hejazi, University of Calgary, Canada</i>
16:15 - 16:45	Tea break & Poster Discussion
Session 8	Chairman: Zeyun Jiang, Xiaohong Wang
16:45 - 17:10	Capillary Pressure and Dynamic effects in Mixed-wet Porous Media <i>Yingfang Zhou, Aberdeen University, UK</i>
17:10 - 17:35	Numerical Heterogeneous Core Modeling Based on CT-Images for Coreflooding Simulation <i>Yupeng Li, Beijing Research Center, EXPEC ARC, Saudi Aramco.</i>
17:35 - 18:00	Numerical simulation of the heat extraction in EGS with wellbore-reservoir coupling based on discrete fractures model <i>Xu Zhang, China University of Petroleum (East China), China</i>