InterPore2018 New Orleans

Thursday 17 May 2018

Poster 4: Poster 4-C (12:15-13:45)

time	[id] title	presenter
12:15	[461] Uncertainty Quantification in DFN simulations with random geometry	Dr SCIALO, Stefano
12:15	[788] FraC: a DFN conforming meshing approach used to obtain reference simulations for steady-state flow, transport and well-test simulations	FOURNO, André
12:15	[931] Automatic switching from quasi-static to dynamic geomechanical modeling of friction in rate-state faults	HAGHIGHAT, Ehsan
12:45	[517] Simulation of elasto-plastic phenomena in heterogeneous soils using the Virtual Element Method	BORIO, Andrea
13:00	[919] Evolution of Particle Swarms Falling under Gravity in Fractures	MITCHELL, Chven
13:15	[476] GP-GPU for DFN flow simulations	VICINI, Fabio
13:30	[933] Poroelastic response of a stationary fracture subjected to a constant fluid flux	Dr FAN, Zhiqiang
13:30	[363] Thermal stress effect on fracture integrity in enhanced geothermal systems	Dr DENG, Wen Mr CHAO, Zeng
13:30	[522] New Capacities for Hydraulic Fracturing Studies: A Full Geomechanical Coupling in a 3D Discrete Fracture Networks	BEN GHARBIA, Ibtihel
13:30	[856] Induced Seismicity in Subsurface Technologies: New Operational Constraints in Need of New Computational Models	JUANES, Ruben
13:30	[816] A Dual-Continuum Hydromechanical Framework for Modelling Fractured Porous Media	ASHWORTH, Mark
13:43	[299] A Numerical Method of Coupled Reservoir-Geomechanical Problem Using High Resolution for Fluid Flow Domain	Mr WU, Dawei

Poster 4: Poster 4-H (12:15-13:45)

time	[id] title	presenter
12:15	[241] A fractal study on effective thermal conductivity of porous media	CAI, Jianchao
12:15	[462] Compositional two-phase fluid flow in porous media: from the pore scale to Darcy's scale	SUN, Shuyu
12:30	[368] Thermal Analytical Solution for Rate Transient Analysis	MAO, Yilin
13:00	[393] A stream function modeling method for incompressible two phases flow in porous media	Mr XU, minghai
13:15	[975] Numerical investigation of adsorption and slippage effects on unconventional gas transport in shale reservoirs using molecular dynamics and reservoir simulations	YOUN, D.-J.

Poster 4: Poster 4-F (12:15-13:45)

time	[id] title	presenter
12:15	[490] Drying characteristics of polydisperse particle aggregates in the capillary-dominated regime	KHARAGHANI, Abdolreza
12:15	[1122] Fundamental study of water evaporation in cold asphalt mixture	SAADOON, Tahseen Dr GARCIA, Alvaro Dr GOMEZ MEIJIDE, Breixo
12:30	[453] Evaporation from gas diffusion layers of proton exchange membrane fuel cells: a pore network study	WU, Rui
12:45	[1011] A Stochastic Method to Characterize Caprock by History-Matching Pressure Monitoring Data	SINGH, Harpreet
13:00	[202] Micro-pore Characteristics and Reservoir State of "Three Low" Reservoirs in Jiangsu Oilfield	Dr XIONG, ShengChun
13:15	[146] Study on Microscopic Pore Structure Characteristics and Seepage Law for Fuyu Oil Layer in Qingxin Oilfield	Dr ZHANG, Yingzhi
13:30	[384] Simulation of spontaneous imbibition in tight oil reservoir with complex hydraulic fracture network	Mr QIN, Yong
13:30	[119] Microscopic pore - throat structure characteristics of different types of tight oil reservoirs in Central Sichuan Basin	Prof. YANG, ZhengMing
13:30	[105] Modeling of Multi-scale 3D Digital Cores by Combining Different Resolution X-CT Images and FIB-SEM Images	Dr LIN, Wei
13:30	[760] Effect of Salt Precipitation on Transport Properties of Lacustrine Shale Reservoir: a Case Study from Jianghan Basin, China	YANG, Feng
13:30	[763] Micro production characteristic of Tight Oil Reservoir	LI, Haibo
13:30	[988] A New Method for Estimating the Clay Content of Tight Oil Reservoirs from NMR Logs	Dr LI, Ziyue
13:30	[324] Countercurrent imbibition into tight porous media: Theory and methodology	WANG, Xiangyang
13:30	[43] Drying regimes in homogeneous porous medium from macro to nano-scale	COUSSOT, Philippe
13:30	[88] Precisely Studies on Petrophysical Parameters and Interface Properties of Cores from Tight Oil Reservoirs	Dr LUO, Yutian

Poster 4: Poster 4-E (12:15-13:45)

time	[id] title	presenter
12:15	[1102] Diagenetic Mechanism of Porous Carbonate Resevoir and Its impact on Reservoir	Dr LI, Fengfeng
12:15	[1097] Differential diagenesis and pore evolution mechanism of restricted platform carbonate reservoirs	YU, Yichang
12:15	[181] Application of multiple-point statistics to reconstructing digital rock	WU, Yuqi
12:30	[257] Transient-flow analysis of an acid fracturing well in a fractured-vuggy carbonate reservoir	WANG, Mingxian
12:45	[247] Experimental Study on seepage characteristics of sandstone affected by fracture surface roughness and fracture width	Prof. XIANGFENG, LIU
13:00	[248] Experimental Study on the Variation of Micro structure of Coal under Chemical Solution	Prof. LAIGUI, WANG

13:15	[132] Experimental and Numerical Studies of Saturation Overshoot during Water Infiltration into Dry Soil	ZHUANG, Luwen
13:30	[565] Fiber-enhancement Filtering for Segmentation and Analysis of Microstructure in Fibrous Materials	Mr PICHÉ, Nicolas
13:30	[205] Hydrogel based porous matrices for immobilization of bioactive molecules	Dr LABUS, Karolina
13:30	[20] Hierarchically porous hydroxyapatite ceramics prepared with wheat flour and their microstructural characterization via mercury porosimetry, image analysis and tomography	GREGOROVÁ, Eva
13:30	[958] Joint stochastic modeling using copulas for the dependency between petrophysical properties and seismic attributes at well-logs scale	Dr DÍAZ-VIERA , Martín
13:30	[220] Experimental analysis of tissue growth in a perfusion bioreactor	BEAUCHESNE, Claire
13:30	[1013] Determination and Prediction of VOC Adsorption Performance Data of Activated Carbon Based Filter Media for Indoor Air Purification	Mr LIGOTSKI, Roman
13:30	[273] Gas flow through corroded wellbore casing	ANWAR, Ishtiaque
13:30	[714] Numerical evaluation of the validity domain of Lorenz equations as a model for natural convection in porous media	Ms LINDGREN, Allison
13:30	[762] Coupled Fracture-Propagation and Reservoir Simulation to Optimize Tight Oil Production	Ms YUYAO, Li Prof. SEN, Wang
13:30	[583] A Prediction of the Spatial Distribution of Petrophysical Properties with Bernstein Copula using Seismic Attributes as Secondary Variables	Dr DÍAZ-VIERA, Martín Alberto

Poster 4: Poster 4-D (12:15-13:45)

time	[id] title	presenter
12:15	[19] Geomaterial microfluidic experiment at reservoir conditions: Insights on salt precipitation in fractured shale caprocks during CO2 injection	Mr NOORAIEPOUR , Mohammad
12:15	[529] Theory and Molecular Simulation of Methane Hydrate in Porous Media	Mr JIN, Dongliang
12:15	[873] Rock-Based, 2.5D Ceramic Micromodels	NIKITOPOULOS, Dimitris
12:15	[414] Dissipative Processes during Two-Phase Flows	ROMAN, Sophie
12:30	[971] Interfacial curvature and capillary pressure measurements during water displacement by supercritical CO2 in a micromodel	Dr KAZEMIFAR, Farzan
12:45	[486] Visualization of flows in 3D-printed fractured porous media: an experimental approach	Dr EBIGBO, Anozie
13:00	[738] Custom-built wetting properties in microchips with geomaterials by using layer-by-layer (LbL) assembly technology	Mr PAN, Bin
13:15	[477] Quantitative Evaluation of the Interlayer Interference of Multilayer Commingled Production in Offshore Heavy Oil Reservoir	SHEN, fei

Poster 4: Poster 4-B (12:15-13:45)

time	[id] title	presenter
12:15	[1105] Porous media for thermochemical energy storage: experimental investigation on structural changes of reactive materials	Mrs STENGLER, Jana
12:15	[934] Integrating Advanced Imaging Techniques and Multiscale Electrochemical Modeling to Determine Effective Lithium-Ion Transport Properties	Dr KORNEEV, Svyatoslav

12:15	[124] When an ink droplet meets coated paper: dynamics	TOMOZEIU, Nicolae
12:15	[117] Percolation Behavior in Catalytic Porous Materials	ALOFARI, Karrar
12:15	[878] On sugar alcohol based heat storage materials: A nanoscale study and beyond	SMEULDERS, David
12:30	[865] Application of Dynamic Pore-Network Modeling in the Study of Air-Water Flow through Thin Porous Layers	QIN, Chao-Zhong
12:45	[195] On the Examination of the Darcy Permeability of Soft Fibrous Porous Media; New Correlations.	WU, Qianhong
13:00	[380] Influence of High Temperature on the Microstructure Characteristics of Sandstone	Mr HU, yaoqing
13:30	[959] Sequential data assimilation with multiple nonlinear models and applications to subsurface flow	Prof. PENG, Wanb

Poster 4: Poster 4-A (12:15-13:45)

time	[id] title	presenter
12:15	[116] Spatial Markov Models for Predicting Mixing and Reactions in Porous Media	BOLSTER, Diogo
12:15	[31] Comprehensive Experimental and CFD Simulation Study on the Effect of Brine Composition in Waterflooding of Carbonate Oil Reservoirs	Mr FATTAHI MEHRABAN, Mohammad
12:15	[163] Experimental measurement of CO2 diffusion coefficient in water based nanofluids	Prof. AZIN, Reza
12:30	[568] Pattern Formation and Mixing Dynamics in Three-Dimensional Non-Boussinesq Solutal Convection	AMOOIE, Amin
12:45	[287] A numerical simulation study on the hydraulic fracture propagation in heavy oil reservoir with the THM coupling	WANG, Qiang
13:00	[121] Response of Relative Permeability to Coal Surface Chemistry through Steady-State Core Flooding Measurements using X-ray CT Scanner and Packed Bed Samples	Mr TERZINI SOARES, Fabio
13:30	[719] Simulation of Isothermal Drying of Porous Media using Lattice Boltzmann Method	Mr ZACHARIAH, Githin Tom
13:30	[925] Reactive Transport Modeling and Simulation of CO2 Sequestration in Deccan Trap Basalt Formation	SURASANI, Vikranth Kumar
13:30	[769] Pore-scale simulation of mass transfer across scCO2-water interface using phase-field method	BASIRAT, Farzad

Poster 4: Poster 4-G (12:15-13:45)

time	[id] title	presenter
12:15	[984] Comparing Segmentation Methods for X-ray CT Images of Porous Media	Mr ZHAO, Fei
12:30	[947] Combining Products of Fossil Energy R&D with Advanced Data Computing to Develop a Virtual Subsurface Data Framework for the U.S.	JUSTMAN, Devin
12:45	[196] A reduced-order model to assist real-time predictions of gas transport in unsaturated fractured media	ORTIZ, John Philip