InterPore2018 New Orleans

Tuesday, 15 May 2018

Poster 2: Poster 2-A (17:15 - 18:45)

time	[id] title	presenter
17:15	[642] Slow Redistribution of Capillary Trapped Gas in Heterogeneous Porous Medium	PRINC, Tomas
17:15	[872] Viscous fingering with partially miscible fluids	FU, Xiaojing
17:15	[394] Study of Gas Production from Shale Reservoirs with Multi-stage Hydraulic Fracturing Horizontal Well considering Multiple Transport Mechanisms	Dr GUO, Chaohua
17:30	[197] Comparison of Model Approaches for Gas Transport in Compacted Bentonite: A Current Task in the International DECOVALEX Project	Dr BIRKHOLZER, Jens
17:45	[903] Interfacial Impacts on Slickwater Imbibition and Gas Production in the Marcellus Shale	CLARENS, Andres
18:00	[184] Multi-component diffusion in a coupled free-flow porous-medium system	HECK, Katharina

Poster 2: Poster 2-B (17:15 - 18:45)

time	[id] title	presenter
17:15	[45] THERMOSTABLE NANOPOROUS CYANATE ESTER RESINS NEWLY DESIGNED BY USING IONIC LIQUIDS AS POROGENS	GRANDE, Daniel
17:15	[1096] PVDF hollow fiber membraneswith different morphologies in direct-contact membrane distillation	Prof. YUELIAN, Peng
17:15	[276] DLVO Interaction Energies between Hollow Spherical Particles and Collector Surfaces	SHEN, Chongyang
17:15	[361] Mathematical modeling of BTEX concentrations on the unsaturated zone using a simple finite differences model: evaluation of the mass distribution between phases	Dr RODRIGO-ILARRI, JAVIER
17:30	[861] DEM-CFD coupling for the simulation of filter cake formed due to poly-dispersed particles.	Mr ILLIEV, Oleg
17:45	[545] Field-scale modelling of nanoparticle injection and transport for nanoremediation design and particle fate assessment	TOSCO, Tiziana

Poster 2: Poster 2-C (17:15 - 18:45)

time	[id] title	presenter
17:15	[554] Benchmark Analytical Solutions to Advection-Dispersion in Discrete Fractures Coupled with Multirate Diffusion in Matrix Blocks of Varying Shapes and Sizes	ZHOU, Quanlin
17:30	[994] Upscaling of mass transfer in field-scale discrete fracture networks using fractional-derivative models	Dr REEVES, Donald
17:45	[759] Direct inversion for joint parameter and boundary conditions estimation for fractured aquifer	Prof. ZHANG, Ye

time	[id] title	presenter
18:00	[726] Fast large-scale joint inversion for deep aquifer characterization using pressure and heat tracer measurements	LEE, Jonghyun
18:15	[680] A comprehensive simulation model for solvent-aided thermal recovery of heavy oil and bitumen—Analyzing the impact of diverse factors on productivity and product selectivity	Dr LEE, Kyung Jae
18:30	[426] Development of Embedded Discrete Multi-Fractures Model for Simulation of Fractured Reservoirs	Mr SHAO, Renjie
18:30	[419] Numerical Simulation of Shale gas reservoirs with embedded DFN model	LIANG, Mengyin
18:30	[246] NMR study on multi-layer waterflooding of middle-east low permeability carbonate reservoirs	Mr SHI, Xingwang
18:30	[301] Direction Dependency of Relative Permeability for Oil-Water Two Phase Flow in Vugular Porous Medium	Mr SONG, Shihan
18:30	[149] Study on water flooding seepage regularity of low permeability carbonate reservoir —Taking Middle East H oilfield as an example	Mrs ZHANG, yapu
18:30	[344] Influence on Oil-water Flow Mechanism with Hydraulic Fracture Existed in Low-permeability Reservoir	Mr LU, Mingjing

Poster 2: Poster 2-D (17:15 - 18:45)

time	[id] title	presenter
17:15	[369] Single-scale heterogeneous pore network modelling with microporosity upscaling.	Mr HAKIMOV, Nijat
17:15	[843] Digital Rocks Portal: Curation, Visualization and Analysis of Imaged Porous Materials	PRODANOVIC, Masa
17:15	[1104] Automated high accuracy, rapid beam hardening correction in X-Ray Computed Tomography of multi-mineral, heterogeneous core samples	Dr ROMANO, Carla
17:15	[663] Multi-scale pore imaging techniques to characterise heterogeneity effects on flow and transport in complex carbonate rock	Dr SHAH, Saurabh
17:30	[159] Multi-scale analysis on coal permeability using the Lattice Boltzmann Method	Dr ZHAO, Yanlong
17:45	[876] ROCK ABSOLUTE PERMEABILITY ANALYSIS USING IMAGE-BASED DIRECT PORE-SCALE SIMULATIONS	VARLOTEAUX, Clément
18:00	[74] Microstructural characterization via Minkowski-functional-based global descriptors	PABST, Willi

Poster 2: Poster 2-E (17:15 - 18:45)

time	[id] title	presenter
17:15	[945] Direct simulation of permeability including Klinkenberg effect	CROUSE, Bernd
17:15	[71] Doping SBA-15 with Nickel Oxide by Freeze-Drying Impregnation	Prof. FINDENEGG, Gerhard
17:15	[978] The transport behavior of the hydraulic fracturing fluid in organic-rich nanoporous shale: A generalized lattice Boltzmann method	Dr ZHANG, Tao
17:15	[890] Spectral induced polarization of concrete. Influence of the electrical double layer and pore size	LEROY, Philippe
17:15	[438] A Model for Gas Transport in Inorganic Nanopores of Shale Gas Reservoirs	Ms WANG, Shan

17:30	[602] Soft fillings in nanoporous solids: Electro-polymerization and mechanical characterization of polypyrrole in nanoporous silicon	HUBER, Patrick
17:45	[128] A ferroelectric liquid crystal confined in cylindrical nanopores: Reversible smectic layer buckling, enhanced light rotation and extremely fast electro-optically active Goldstone excitations	HUBER, Patrick
18:00	[225] Synthesis and characterisation of B-substituted nanoporous carbons with high energy of hydrogen adsorption.	Ms WALCZAK, Katarzyna

Poster 2: Poster 2-F (17:15 - 18:45)

time	[id] title	presenter
17:15	[936] High-Resolution Monitoring of Nanoparticle Transport Behavior in Multi-Phase Saturated Porous Media: Experimental Study	Prof. BRYANT, Steven
17:15	[468] The gas mass transport model considering the dynamic change of micro-fracture width in shale	Prof. ZENG, FANHUI
17:15	[471] Efficient Nonlinear Gauss-Seidel Type Solvers for Black-Oil Type Models	KLEMETSDAL, Øystein
17:15	[523] Modeling and Evaluation on particle transportation performance in the pore throat of reservoirs	Dr DONG, Lifei
17:15	[437] A Transient Productivity Model of Multi-stage Fractured Horizontal Wells in Shale Gas Based on the Continuous Succession Pseudo-steady State Method	Mr ZENG, Fanhui
18:30	[399] One-Dimensional Transient Inter-Porosity Flow Model in Tight Porous Media with Consideration of Fracture Pressure Depletion	HUANG, Shan
18:30	[415] Study on the Ultrasonic Propagation Law in Gas-Liquid Two-Phase Flow of Deep-Water Riser Annulus	XU, Yuqiang
18:30	[491] A Novel Mehtod to Correct Steady-State Relative Permeability for Capillary End-Effects Based on Simulation Approach	Dr ZHAN, Shiyuan
18:30	[401] Characteristics of Remaining Oil Micro☐Distribution in Laojunmiao Oilfield after Waterflooding	Mr SANG, Guoqiang
18:30	[408] A New Method to Establish A Full Scale Diagram For Unconventional Oil Reservoir	ZHENG, Taiyi
18:30	[290] A numerical simulation study on the hydraulic fracture propagation in heavy oil reservoir with the THM coupling	WANG, Qiang
18:30	[294] Characteristic of Coal Pore Structure and Its Relationship with Sedimentary Environment in Hegang Basin	Mrs MAO, cui
18:30	[293] An analytical model of apparent permeability for shale gas reservoir considering characteristics of nanopore distribution	Mr PU, Xieyang
18:30	[533] Petrographic characterization of low-permeable to tight turbidite sandstone from Eocene Shahejie Formation using micro-CT.	Mr WU, Yuqi
18:30	[322] Physical simulation experiment of different injected media huff and puff for tight porous media	Dr WANG, Xiangyang
18:30	[320] 3D Reconstruction and permeability calculation from 2D thin sections	WU, Yuqi
18:30	[472] Numerical Modelling of Microbial Enhanced Oil Recovery under the Effect of Environment	Mr YUANDONG, Ma
18:30	[236] Productivity forecast model of vertical hydraulic fracturing well with varying conductivity in tight oil reservoir	Dr CAI, Mingyu

time	[id] title	presenter
18:30	[307] Micro-scale effect of CO2 diffusion on two-phase flow in dual-porosity of tight oil reservoirs	Mr WU, Shouya

Poster 2: Poster 2-G (17:15 - 18:45)

time	[id] title	presenter
17:15	[54] Using Lattice Boltzmann Method to Study Polymer Viscoelasticity Effect for Polymer Flooding	Dr LI, weirong
17:15	[106] Design of Large-Scale Physical Simulation Model for Alkaline-Surfactant-Polymer Flooding	YANG, Hanxu
17:15	[672] A pore-scale study of viscoelastic surfactant flow through porous media	GARCIA , Brayan F.
17:15	[1098] Main controlling factors and development strategy of heterogeneity in platform carbonate reservoirs	YU, Yichang
17:15	[206] Semi-analytically derived flow-rate/pressure drop relationships for the flow of yield stress fluids through rectilinear pipes of non-circular cross-sections.	Prof. AHMADI-SENICHAULT, Azita
17:30	[901] Nanoparticle heterogeneous adsorption in porous media	GERBER, Gaétan
17:45	[258] Analysis of flow behavior for a well with a vertical fracture at an arbitrary azimuth in a rectangular anisotropic reservoir	Mr XING, Guoqiang
18:15	[212] Nonlinear finite-volume schemes for complex flow processes and challenging grids	Mr SCHNEIDER, Martin
18:30	[467] Numerical Simulation Study on Pore Scale Seepage of Porous Media Based on Finite Volume Method	Ms WEN, Shuo
18:30	[208] Optimization Method Research of Multi-stage Polymer Flooding	FU, Shuaishi

Poster 2: Poster 2-H (17:15 - 18:45)

time	[id] title	presenter
17:15	[478] Multiphase micro-continuum models: an hybrid-scale approach	SOULAINE, Cyprien
17:15	[1099] Pore scale modeling of acoustic events	AGRAWAL, Abhishek
17:15	[168] Quantifying Dual Porosity Flow and Contaminant Transport Processes Using an Integrated Pore-Scale Network Modeling Approach	DE VRIES, Enno
17:30	[27] Characterization of modified nanoscale zero-valent iron particles transport through sandstones by nuclear magnetic resonance	ZHANG, Qian
17:45	[684] Fluid Flow Property Estimation Using a Pore Network Modeling Approach	MARTÍNEZ-MENDOZA, Edgar G.
18:00	[362] Reactive Transport Modelling on the Drill Core Scale, Parameterized by GeoPET/µCT Process Tomography	FISCHER, Cornelius
18:30	[698] A random connection model for pore network modeling	MENDOZA-ROSAS, Ana T.
18:30	[854] Toward direct pore-scale reactive modelling of low-salinity flooding in 2D/3D porous media images	MAES, Julien
18:30	[457] A New Dynamic Single-Pressure Network Model: Experimental Comparisons and Calibrations.	Mr VASSVIK, Morten
18:30	[791] Droplet Flow Regimes in a T-Section Microchannel: Assessment of Volume of Fluid Formulations	Dr DOSTER, Florian

| 18:30 | [191] Evaluation of a Proposed Workflow for Digital Petrophysics of Coquinas Involving Experimental Data and 3D Digital Models Using PNM- and FEM-Based Simulations | DE VRIES, Enno |