

InterPore2018 New Orleans

Monday, 14 May 2018

Poster 1: Poster 1-A (16:00 - 17:30)

time	[id] title	presenter
16:00	[226] A digital rock workflow to quantify sub-core scale spreading and mixing in reservoir rocks	KUROTORI, Takeshi
16:00	[489] Fast assessment of CO ₂ plume extent using a connectivity-based surrogate model	JEONG, Hoonyoung
16:00	[833] CO ₂ Breakthrough Pressure in Resedimented Caprock Seals	Prof. ESPINOZA, D. Nicolas
16:15	[819] The Effect of Original and Initial Saturation on Residual Nonwetting Phase Capillary Trapping Efficiency	WILDENSCHILD, Dorthé
16:30	[768] A coupled wellbore-reservoir model of CO ₂ flow and heat transfer during a push-pull experiment at Heletz, Israel	BASIRAT, Farzad
16:45	[831] Stress-sensitivity Modeling during CO ₂ Flooding and Storage in Tight Sandstone Core	JIA, Ying
17:00	[213] Multi-scale CO ₂ -Brine Core Flooding Under X-Ray CT In Sandstone From Ordos Basin	Ms WANG, Yan
17:15	[611] Refractive-light-transmission measurements of density-driven convection with application to solubility trapping of geologically sequestered CO ₂	NIEMI, Auli
17:15	[327] Optimization of key parameters of carbon dioxide huff-n-puff Process for geological storage	WANG, Xiangyang
17:15	[360] Impacts of Methane on Carbon Dioxide Storage in Brine Formations	Dr SOLTANIAN, Mohamad Reza
17:15	[918] Mixing and reactions: The case of Taylor dispersion in a tube	WOOD, Brian
17:15	[766] Permeability and porosity modeling in artificial core	Prof. YUE, Xiang'an

Poster 1: Poster 1-B (16:00 - 17:30)

time	[id] title	presenter
16:00	[748] Experimental Study and Modeling of Biogas Formation in Homogeneous Porous Media	KIM, Daehyun
16:00	[377] Pore structure alteration of sands by microbially induced carbonate precipitation via denitrification	NAKANO, Akiko
16:00	[1094] Dimensionless analysis applied to bacterial chemotaxis towards NAPL contaminants	Prof. WANG, Xiaopu
16:00	[705] Examining Nitrogen By-Product Management for Microbially-Induced Calcite Precipitation via Stimulated Microbial Ureolysis	Dr GOMEZ, Michael G
16:15	[944] Overview of Experimental Systems and Approaches Supporting In Situ Mineral Precipitation Research	PHILLIPS, Adrienne
16:30	[842] Biocement soil improvement using acidified all-in-one solution by acid buffer	Dr CHENG, LIANG Mr YANG, Yang

16:45	[406] Microbial life in unsaturated porous media: a microfluidic approach	KURZ, Dorothee Luise
17:00	[665] How biofilm growth affects hydraulic parameters: a reevaluation of the impact of partial in hydraulic conductivity and hydrodynamic dispersion	Prof. SANCHEZ-VILA, Xavier

Poster 1: Poster 1-C (16:00 - 17:30)

time	[id] title	presenter
16:00	[962] Why fractures in Marcellus Shale might be plugged too soon: Case study comparing geochemical and geomechanical data obtained from outcrop vs reservoir cores	Dr RADONJIC, Mileva
16:00	[745] Numerical analysis of viscous oil recovery using micromodel experiments on thermal solvent-based displacement	MUJICA, Marelys
16:00	[981] Electrophoresis to improve cement-steel bonding in well construction	Dr TORSATER, Malin
16:15	[793] An Assessment of Research Gaps Related to Deep Water Wellbore Integrity	TKACH, Mary
16:30	[997] How 3D Printing maybe used to facilitate the design and testing of hydraulic barriers and establish bonds to formations and casing, as well as data gathering implementation and formation visualization	Mr CALNAN, Barry
17:15	[104] Pore Scale Dynamics of Gravity-Stable Surfactant Flooding	Mr YANG, Hanxu
17:15	[995] Experimental and Computational Tools to Assess Wellbore Integrity: Predicting Failure and Designing Next Generation Seal Repair Materials	MATTEO, Edward
17:15	[746] Mathematical model of microbiological oil recovery with wetting inversion by bio-surfactants	Ms MUKHAMEDJAROVA, Akerke

Poster 1: Poster 1-D (16:00 - 17:30)

time	[id] title	presenter
16:00	[1010] How does pore size distributions affect the accumulation and release rates of a PAH in porous media of sediments and soils?	JAYME-TORRES , Gonzalo
16:00	[1108] Pressure drop and non-intrusive velocity measurements in packed beds	Prof. NGUYEN, Thien
16:00	[1107] Experimental investigation on self-generated heat foam system for offshore heavy oil reservoir	CHEN, Hailong
16:00	[796] Efficient liquid transport induced by drying paste/substrate systems	BEN ABDELOUAHAB, Mohamed Nidal
16:15	[620] Experimental investigations of effective visco-elastic properties of sandstones	Prof. STEEB, Holger
16:30	[200] Influence of rock micro-pore structure parameters on Remaining oil Distribution	Ms SHENG, Shuyao
16:45	[254] Contact Angle Measurements of scCO ₂ and Brine in 3D Printed Models with Varying Surface Roughness	Ms DALTON, Laura
17:00	[629] Combined wicking and drying of a NaCl solution in porous media as studied by NMR	Dr PEL, Leo

Poster 1: Poster 1-E (16:00 - 17:30)

time	[id] title	presenter
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16:00	[599] Proppant embedment in shale during exposure to hydraulic fracturing fluids	Dr BROWN, Sarah
16:00	[598] CO ₂ interaction with shale: Insights from experiments and literature	Dr CRANDALL, Dustin
16:00	[675] Lattice Boltzmann Simulation of Liquid Flow in Nanoporous Media	KANG, Qinqun
16:00	[390] A Dual-site Simplified Local Density Model for Shale Gas Adsorption under Reservoir Conditions	Dr WANG, Sen
16:00	[605] Laboratory investigations of geochemical evolution in unconventional reservoirs during hydraulic stimulation	MOORE, Johnathan
16:00	[951] Numerical study of effective thermal properties of granular porous medium using Lattice Boltzmann methods	Mr IKRAM, Muhammad Fowaz
16:00	[804] Study on pressure propagation of methane hydrate decomposition by depressurization in porous medium	Mrs QIAO, Lingxi
16:00	[650] Effect of Salt Dry-out on Shale Gas Reservoir Production Performance	JAMSHID-NEZHAD, MOHAMMAD
16:00	[569] Energy exploitation analysis of natural gas hydrate depressurization dissociation in porous media	Dr WU, Didi
16:00	[562] Experimental measurement of permeability in porous medium containing methane hydrate	Mr WU, Fubo
16:00	[365] Analytical Modeling of Stimulation Fluid Temperature for Hydraulic Fracturing Design	MAO, Yilin

Poster 1: Poster 1-F (16:00 - 17:30)

time	[id] title	presenter
16:00	[187] A domain decomposition method to couple nonisothermal compositional gas liquid Darcy and free gas flows	MASSON, Roland
16:15	[240] Effect of Non-Newtonian Foam on SAG Foam EOR	SALAZAR CASTILLO, Rodrigo
16:30	[348] Study of foam generation mechanism at the pore scale	LI, Qingjian
16:45	[33] How to Predict CO ₂ Foam Propagation Distance by Using Bubble Population Balance Model	IZADI, Mohammad

Poster 1: Poster 1-G (16:00 - 17:30)

time	[id] title	presenter
16:00	[67] A fractal model of permeability for shale gas in fractal fracture networks	Dr MIAO, Tongjun
16:15	[328] Quantitative evaluation of carbonate reservoir pore structure based on fractal characteristics	Mr LIU, Hangyu
16:30	[55] Fractal model of gas diffusion coefficient through porous nanofibers with rough surfaces	Dr ZHENG, qian
16:45	[387] Porosity Characteristics of Coal Reservoir in Daqing Exploration Area	Mr ZHANG, yongfeng
17:00	[447] On modeling scale-invariant dual-porosity media based on general fractal topography	Prof. JIN, Yi
17:15	[673] The Flow of a Shear-Thinning Fluid in a Geological Fracture	Prof. MÉHEUST, Yves
17:15	[382] A universal visco-inertial flow model in geologic porous media	CHEN, Yi-Feng

Poster 1: Poster 1-H (16:00 - 17:30)

time	[id] title	presenter
16:00	[1093] Parameter Identification in Confined Aquifers using a Predictor-Corrector Scheme of the Differential System Method	GUADALUPE SALVADOR, Liliana
16:00	[503] Hybrid machine learning/adjoint sensitivity model for source zone sampling optimization	TANG, Tian
16:15	[566] Solute dispersion for stable density-driven flow in randomly heterogeneous porous media	Ms RIVA, Monica Mr GUDAGNINI, Alberto
16:30	[593] Effects of wettability on two-phase relative permeability estimates from direct pore-scale simulations	Dr GUÉDON, Gaël Raymond
16:45	[475] Image-based modeling of flow and transport in porous media	Dr QIN, Chao-Zhong
17:00	[378] The Study of Solid Phase Particles Blocking Process based on CT scanning technology	LI, Zhenglan
17:15	[830] Observation and Evaluation of Multiphase Flow in Heterogeneous Porous Media of Tight Gas Reservoir with Super-normally Saturated Water	Dr JIA, Ying
17:15	[388] Pore Network Stitching for Pore-to-Core Upscaling of Capillary-Dominated Two-Phase Flow in Heterogeneous Natural Reservoir Rocks	KOHANPUR, Amir