

OS13: Porous Media

EX-3

November 7, 2018

14:00-14:30 OS13-1

Invited

Fluid Flow Modelling in Multiscale Porous Media – Needs, Challenges and Solutions

J. Ma, C. Jin, V. G. Cortes, J. Zhu

14:30-14:50 OS13-2

A New Flow Model Based on Pore-Scale Network Method for Supercritical CO₂ Fracturing

B. Liu, A. Suzuki, T. Ito

14:50-15:10 OS13-3

Dry-out Phenomenon and Flow Behavior in Rocks for CO₂ Geological Storage

H.T.T. Nguyen, A. Suzuki, S. Uehara, T. Hashida

15:10-15:30 OS13-4

Analysis of Rock Fracture Pattern and Fluid Flow by Persistent Homology

M. Miyazawa, A. Suzuki, A. Okamoto, H. Shimizu, I. Obayashi, Y. Hiraoka, T. Ito

15:40-16:00 OS13-5

Water-expulsion Porosimetry: A Tool for Measuring Size Distribution of Transport Pores and Predicting Permeability

N. Nishiyama, T. Yokoyama

16:00-16:20 OS13-6

Estimation of crack width in porous media by nano/micro particles

J. Cui, A. Suzuki, S. Uehara, K. Shirasu, T. Ito

16:20-16:40 OS13-7

Transport Properties Of Fluid Mixtures In Micro- And Mesoporous Kerogen Membranes

P. A. Bonnaud, F. Oulebsir, R. Vermorel, J. Collell, G. Galliéro

16:40-17:10 OS13-8

Invited

Permeability Studies for the Improvement of Medical Devices

S. Tupin, M. Ito, M. Ohta

17:20-17:40 OS13-9

Two-Phase Constitutive Analysis and Experiments on Shock Heating of Inorganic Powders

A. Resnyansky, S. Weckert, T. Dalby

17:40-18:00 OS13-10

Effects of Compression and Channel on Pool Boiling Heat Transfer of Metal Foam

T. Li, X. Wu, Q. Ma, X. Zhang