

OS19: Fluid Flow Experiment in Geoscience

November 11, 2022

EX-3-B

- OS19-1 **In-situ CT-assisted Experimental Observation of Hydro-Mechanical Behavior of Misaligned Granite Fractures** *(Invited)*
13:10-13:40 Li Zhuang, Changlun Sun, Chuyen Pham (Korea Institute of Civil Engineering and Building Technology / University of Science and Technology, Korea), Sun Yeom (Korea Institute of Civil Engineering and Building Technology, Korea), Hyu-Soung Shin (Korea Institute of Civil Engineering and Building Technology / University of Science and Technology, Korea)
- OS19-2 **Visual Observation of the Pore Pressure-induced Shear Slip in Granite Fracture**
13:40-14:00 Daisuke Asahina (Geological Survey of Japan, AIST, Japan), Takato Takemura, Takahisa Endo, Yu Tsukurimichi (Nihon University, Japan)
- OS19-3 **Photoelastic Experiments to Visualize the Stress Distribution during the Fluid Injection**
14:00-14:20 Nana Yoshimitsu (Kyoto University, Japan), Shiro Hirano (Ritsumeikan University, Japan), Eiichi Fukuyama (Kyoto University, Japan)
- OS19-4 **Flow-through Experiments on Interaction of Granite Fracture with Several Permeants**
14:20-14:40 Achmad Hafidz, Naoki Kinoshita, Hideaki Yasuhara (Ehime University, Japan)
- OS19-5 **CO₂ Injection-Induced Shearing and Complex Fracturing in Naturally Fractured Geothermal Environment**
14:50-15:10 Eko Pramudyo, Ryota Goto, Kiyotoshi Sakaguchi, Kengo Nakamura, Noriaki Watanabe (Tohoku University, Japan)
- OS19-6 **Effect of Brittleness Index on Hydro-Mechanical Behavior of Soft Rocks during CO₂ Injection**
15:10-15:30 Takashi Fujii, Yasuki Oikawa, Xinglin Lei, Masao Sorai (Geological Carbon Dioxide Storage Technology Research Association / National Institute of Advanced Industrial Science and Technology, Japan)
- OS19-7 **Monitoring Flow Behavior of Supercritical CO₂ in Porous Sandstones with Different Permeability by P-wave Velocity**
15:30-15:50 Hiroyuki Honda, Hiroyuki Yagi, Yasuhiro Mitani (Kyushu University, Japan)