INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

- CO_2 BEHAVIOR FROM MOLECULAR TO FIELD SCALE TO ACHIEVE BETTER CO_2 STORAGE -

I²CNER INTERNATIONAL WORKSHOP

(CO_2 STORAGE DIVISION)

DATE: FRIDAY, FEBRUARY 3, 2017
TIME: 10:00-16:25
VENUE: I²CNER HALL B

Time	Speaker	Affiliation	Title
10:00-10:10	Takeshi Tsuji	I²CNER, Kyushu University	Objective and activity of CO_2 storage division: From the nano-scale to the field-scale
10:10-10:40	Masashi Nakatsukasa	JOGMEC	Time-lapse test data acquisition with an ACROSS stationary seismic source in Aquistore CCS field
10:40-11:00	Tatsunori Ikeda	I²CNER, Kyushu University	Continuous monitoring of shallow subsurface at a CO_2 storage site through surface-wave analysis
11:00-11:12	Hiro Nimiya	Department of Earth Resources Engineering, Kyushu University	Mapping seismic velocity change caused by the 2016 Kumamoto earthquake using ambient noise records
11:12-11:24	Chanmaly Chhun	Department of Earth Resources Engineering, Kyushu University	Accurate reservoir characterization using advanced seismic velocity analysis
11:24-11:36	Rezkia Dewi	Department of Earth Resources Engineering, Kyushu University	Development of innovative seismic method for geothermal reservoir model
11:36-13:00	**Break (Lunch)**		
13:00-13:30	Ausama Giwelli	CSIRO	Rock properties Research in CSIRO Energy
13:30-13:50	Michiharu Ikeda	Shikoku Research Institute Inc.	Qualitative and quantitative characterization of fault damage zones

13:50-14:02	Kengo Ikuo	Department of Earth Resources Engineering, Kyushu University	Direct fluid flow simulation for fracture model: Estimation of hydrological properties of fracture
14:02-14:14	Chandoeun Eng	Department of Earth Resources Engineering, Kyushu University	Effective seismic properties derived from digital rock physics: Insight into rock evolution process in the seismogenic fault
14:14-14:34	Keigo Kitamura	I^2CNER, Kyushu University	Experimental study of the relationships between physical properties and flow speed
14:34-15:05	**Break**		
15:05-15:25	Diogo Bolster	University of Notre Dame	Curvature and contact angle effects in multiphase flows in porous media
15:25-15:45	Shiwani Singh	I^2CNER, Kyushu University	Importance of slip in determining the permeability of small scale heterogeneous pore structures
15:45-16:05	Fei Jiang	Yamaguchi University	A coupled Two-phase Lattice Boltzmann Method and Discrete Element Method for Hydraulic Fracturing Simulation
16:05-16:25	Jihui Jia	I^2CNER, Kyushu University	Microscopic Mechanism of CO_2 Mineralization in Basaltic Mineral from Ab Initio Molecular Dynamics Simulations