



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

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## I<sup>2</sup>CNER INTERNATIONAL WORKSHOP (CO<sub>2</sub> STORAGE DIVISION)

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**DATE: THURSDAY, FEBRUARY 4, 2016**

**TIME: 10:30 – 16:50**

**VENUE: SEMINAR ROOM, CENTER 3 BLDG.**

Time	Speaker	Title
10:30-10:40 (10 min)	Takeshi Tsuji	Objective and activity of CO <sub>2</sub> storage division: From the nano-scale to the field-scale
10:40-11:10 (30 min)	Toshifumi Matsuoka	State of the Art and Current Situation of CCS
11:10-11:40 (30 min)	Yunfeng Liang	Injected CO <sub>2</sub> behavior using molecular dynamics
11:40-13:00 (80 min)	Break (lunch)	
13:00-13:30 (30 min)	Albert Valocchi	Numerical simulation of multiphase flow: from pore to core scale
13:30-13:50 (20 min)	Diogo Bolster	Heterogeneity and Upscaling in Multiphase Flows
13:50-14:10 (20 min)	Fei Jiang	Numerical Simulations of Three-Phase Relative Permeability of Berea Sandstone
14:10-14:40 (30 min)	Kenneth Christensen	Quantifying pore-scale flow processes in heterogeneous porous media at reservoir conditions
14:40-15:10 (30 min)	Break	
15:10-15:40 (30 min)	Tetsuya Suekane	Study on trapping mechanisms in CCS by X-ray microtomography
15:40-16:00 (20 min)	Keigo Kitamura	CO <sub>2</sub> -water flow monitoring by electrical impedance under super critical CO <sub>2</sub> conditions
16:00-16:20 (20 min)	Tatsunori Ikeda	Seismic data analysis for field-scale reservoir characterization and monitoring
16:20-16:40 (20 min)	Tetsuo Yamaguchi	Laboratory experiment for fault instability due to CO <sub>2</sub> injection
16:40-16:50 (10 min)	Eng Chandoeun	Dynamic wave propagation simulation for digital rock model