



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

I²CNER INTERNATIONAL WORKSHOP CO₂ STORAGE DIVISION

DATE: FRIDAY, JANUARY 31, 2014

TIME: 13:00 – 17:10

VENUE: ITO GUEST HOUSE

SCHEDULE:

Time	Speaker	Title
13:00-13:40	Timothy Scheibe	Multiscale numerical and physical experiments on physical and chemical processes in geological carbon sequestration
13:40- 14:10	Kenneth Christensen	Quantifying flow processes associated with liquid CO ₂ displacement of water in porous micromodels
14:10-14:40	Yi Zhang	Supercritical-CO ₂ behavior in sandstone and its effects on seismic waveform : Lessons learned from laboratory experiments with X-ray CT
14:40-15:00	Keigo Kitamura	Prediction of the two-phase flow from Vp anisotropy in porous sandstone
15:00-15:20		Break
15:20-15:40	Fei Jiang	Pore-scale simulation of multi-phase flow and reactive transport for CO ₂ storage
15:40-16:10	Yunfeng Liang	Molecular Dynamics Simulations of Interfacial Phenomena in CCS
16:10-16:40	Toshifumi Matsuoka	An Overview of CCS and Multiscale Simulations for Micro- and Nano- Flows
16:40-17:10	Akihiro Kano	Carbonate precipitation rate induced by CO ₂ -degassing: observation in calcareous hot springs and implications for evaluating self-sealing