



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

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## I<sup>2</sup>CNER INTERNATIONAL WORKSHOP CO<sub>2</sub> CAPTURE & UTILIZATION RESEARCH DIVISION

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DATE: WEDNESDAY, FEBRUARY 4, 2015

TIME: 13:30 – 17:10

VENUE: I<sup>2</sup>CNER HALL B

### SCHEDULE:

Time	Speaker	Title
13:30 – 14:15	Prof. May-Britt Hägg (NTNU)	CO <sub>2</sub> capture with membranes – an important technology in combating the climate change
14:15 – 15:00	Prof. Hideto Matsuyama (Kobe University)	Tough amino acid ionic liquid-based gel film for CO <sub>2</sub> capture
15:00 - 15:10	Coffee Break	
15:10 - 15:40	Prof. Yu Hoshino (Kyushu University)	Development of Temperature-Responsive Microgel Films for Reversible CO <sub>2</sub> Absorption in Wet Environment
15:40 - 16:10	Prof. Shigenori Fujikawa (Kyushu University)	Molecular separation by nanometer-thick membranes
16:10 - 16:40	Prof. Ryo Nagumo (Nagoya Institute of Technology)	Evaluation of the properties of CO <sub>2</sub> absorbents and polymeric membranes using molecular dynamics simulations
16:40 - 17:10	Prof. Masakazu Higuchi (Kyoto University)	Carbon Dioxide Separation by Porous Coordination Polymers