



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

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## I<sup>2</sup>CNER INTERNATIONAL WORKSHOP

(CO<sub>2</sub> CAPTURE & UTILIZATION DIVISION)

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DATE: THURSDAY, FEBRUARY 4, 2016

TIME: 12:55-17:25

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

Time	Speaker	Title
12:55-13:00	Ikuo Taniguchi	Opening remarks
13:00-13:30	Shunsuke Sato (Toyota Central R&D Lab.)	Synthesis of organic compounds from CO <sub>2</sub> , H <sub>2</sub> O and sunlight using a semiconductor/metal-complex hybrid catalyst
13:30-14:10	Teruhisa Ohno (Kyushu Institute of Technology)	Development of Photocatalytic and Photoelectrochemical CO <sub>2</sub> Reduction System
14:10-14:50	John A. Keith (University of Pittsburgh)	Atomic scale design of molecules and materials for energetically efficient electrochemical CO <sub>2</sub> reduction
14:50-15:00	Coffee Break	
15:10-15:40	Shinji Kanehashi (Tokyo University of Agriculture and Technology)	Mixed matrix membranes for carbon dioxide separation
15:40-16:10	Hiroshi Machida (Nagoya University)	Development of phase separation solvent for CO <sub>2</sub> capture
16:10-16:40	Roman Selyanchyn (Kyushu University)	Titanium dioxide for CO <sub>2</sub> /N <sub>2</sub> separation membranes: composites and flexible ceramics
16:40-17:20	Ikuo Taniguchi (Kyushu University)	An alternative CO <sub>2</sub> capture by electrodialysis
17:20-17:25	Shigenori Fujikawa	Closing remarks