



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

I²CNER & ACT-C JOINT WORKSHOP 2014

CO₂ CAPTURE AND UTILIZATION, CATALYTIC MATERIALS TRANSFORMATION & JST

DATE: FRIDAY, JANUARY 31, 2013

TIME: 9:30-15:30

VENUE: I²CNER HALL

SCHEDULE:

Opening	9:30 (10mins)	Professor Shigenori Fujikawa I ² CNER, Kyushu University
Poster Parade	9:40 (50mins)	(See Appendix)
Poster Session	10:30 (90mins)	
Lunch & Poster Session	12:00 (60mins)	
Round Table	13:00 (60mins)	Discussion Leader (Group A): Professor Shigenori Fujikawa (I ² CNER, Kyushu University) Professor Naoya Murakami (Kyushu Institute of Technology)
		Discussion Leader (Group B): Professor Ikuo Taniguchi (I ² CNER, Kyushu University)] Professor Masakazu Higuchi (Kyoto University)
Lecture 1	14:00 (30mins)	Professor Ki-Seok Yoon I ² CNER, Kyushu University
Lecture 2	14:30 (30mins)	Dr. Takeshi Morikawa Toyota Central Research and Development Labs., Inc.
Conclusion & Discussion	15:00 (20mins)	
Closing	15:20	Professor Toyoki Kunitake ACT-C, JST

List of Poster Presenters

No	Presenter	Title	Affiliation	Position
1	Jun Takaya	Development of Hydrocarboxylation Reaction of Unsaturated Hydrocarbons with CO ₂ Utilizing Group 14 Element-Containing Pincer Type Metal	Tokyo Institute of Technology	Assistant Professor
2	Sayoko Shironita	Investigation of CO ₂ reduction at Pt-based catalyst in polymer electrolyte membrane electrolyser cell	Nagaoka University of Technology	Assistant Professor
3	Naoya Murakami	Photocatalytic reduction of carbon dioxide using graphitic carbon nitride as a semiconductor photocathode	Kyushu Institute of Technology	Associate Professor
4	Masakazu Higuchi	Highly efficient separation porous materials for CO ₂ capture	Kyoto University	Assistant Professor
5	Guohui Yang	Novel C1 Chemistry Process to Convert Carbon Dioxide into Ethanol	University of Toyama	Assistant Professor
6	Takahiro Oyama	Formate synthesis on a Cu surface by exciting translational and vibrational energies of CO ₂	University of Tsukuba	Postdoctoral Researcher
7	Wan-Hui Wang	Highly efficient formic acid dehydrogenation using bio-inspired Ir complexes: A deuterium kinetic isotope effect study and mechanistic insight	National Institute of Advanced Industrial Science and Technology	Postdoctoral Researcher
8	Chiaki Terashima	Nanodiamond as efficient photocatalyst for the reduction of CO ₂	Tokyo University of Science	Associate Professor
9	Naoki Ishida	Stereospecific ring expansion of orthocyclophanes with central chirality to metacyclophanes with planar chirality	Kyoto University	Assistant Professor
10	Masahiro Miyauchi	Development of CO ₂ Reduction System Based on Semiconductor Photocatalysts with Quantum Effect	Tokyo Institute of Technology	Associate Professor
11	Stephen Lyth	Electrochemical CO ₂ Conversion on Nitrogen-doped Carbons	WPI-I2CNER, Kyushu Univ.	Assistant Professor
12	Paul Kenis	Au catalyst on Polymer-Wrapped Carbon Nanotubes: an Efficient and Selective catalyst for CO ₂ reduction.	WPI-I2CNER, Univ. of Illinois	Professor
13	Kyoshiro Nonaka	Purification of New Biological Catalysts for Clean Energy Transformations	WPI-I2CNER, Kyushu Univ.	Ph.D Student
14	Takahiro Kikunaga	Direct Synthesis of H ₂ O ₂ by a New Catalyst	WPI-I2CNER, Kyushu Univ.	Ph.D Student
15	Masaaki Sadakiyo	Design and synthesis of hydroxide ion-conductive metal-organic frameworks	WPI-I2CNER, Kyushu Univ.	Assistant Professor
16	Takeshi Matsumoto	Creation of EG/oxalic acid conversion catalysts based on Fe-group	WPI-I2CNER, Kyushu Univ.	Postdoctoral Researcher
17	Tatsuya Uchida	Ru(CO)-salen complex-catalyzed asymmetric C-H amination	WPI-I2CNER, Kyushu Univ.	Associate Professor
18	Takuya Oguma	Iron-Catalyzed Aerobic Material Transformation	WPI-I2CNER, Kyushu Univ.	Ph.D Student
19	Chungsik Kim	Iridium-Catalyzed Aerobic Material Transformation Under Irradiation: Coupling of 2-naphtols	WPI-I2CNER, Kyushu Univ.	Postdoctoral Researcher
20	Takahiro Matsumoto	Molecular Fuel Cell	WPI-I2CNER, Kyushu Univ.	Assistant Professor
21	Shigenori Fujikawa	Gas separation by a giant nanomembrane	WPI-I2CNER, Kyushu Univ.	Associate Professor