



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

**-CARBON CAPTURE AND UTILIZATION RESEARCH
FOR NEGATIVE CARBON EMISSIONS-
I²CNER INTERNATIONAL WORKSHOP
CATALYTIC MATERIALS TRANSFORMATIONS DIVISION
& CO₂ CAPTURE AND UTILIZATION DIVISION**

DATE: FRIDAY, FEBRUARY 1, 2019

TIME: 13:00 -17:30

VENUE: I²CNER HALL C

Time	Speaker	Affiliation	Title
13:00-13:05	Prof. Shigenori Fujikawa	I²CNER, Kyushu University	Opening remarks
13:05-13:35	Dr. Taisei Nishimi	ARPCHEM	CCU and Artificial Photosynthesis
13:35-14:05	Prof. Osamu Ishitani	Tokyo Institute of Technology	Photocatalytic and Electrocatalytic Reduction of Low Concentration of CO ₂
14:05-14:30	Dr. Tatsuya Ando	I²CNER, Kyushu University	Multifunctional Catalysts for Hydrogen Fuel Cells
14:30-14:55	Prof. Miho Yamauchi	I²CNER, Kyushu University	Hydrogenation of carboxylic acid derivatives as a CO ₂ equivalent chemical
14:55-15:20	Prof. Paul Kenis	UIUC	Co-Electrolysis as a Path to Economic Feasibility of Electrochemical Reduction of CO ₂ to Value-Added Intermediates
15:20-15:30	Coffee break		
15:30-16:00	Prof. Masaharu Ishii	University of Tokyo	Biochemical analyses of fast-growing CO ₂ fixers: hydrogen-oxidizing bacteria
16:00-16:30	Dr. Etsushi Kato	The Institute of Applied Energy	Perspective on the Negative Emissions Technologies (NETs)
16:30-17:00	Dr. Junichiro Oda	RITE	Analysis of the role of CCS in long-term CO ₂ emission reduction by integrated assessment model
17:00-17:25	Dr. Roman Selyanchyn	I²CNER, Kyushu University	Highly efficient CO ₂ /N ₂ separation by ultimate thinning of composite membranes
17:25-17:30	Prof. Miho Yamauchi	I²CNER, Kyushu University	Closing remarks