



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

-CATALYSIS FOR FUTURE ENERGY TECHNOLOGIES-
I²CNER INTERNATIONAL WORKSHOP
CATALYTIC MATERIALS TRANSFORMATIONS DIVISION

DATE: FRIDAY, JANUARY 31, 2020

TIME: 13:00 -17:30

VENUE: I²CNER HALL A

Time	Speaker	Affiliation	Title
13:00-13:05	Prof. Miho Yamauchi	I ² CNER, Kyushu University	Opening Remarks
	Chair: Prof. Miho Yamauchi (I ² CNER, Kyushu University)		
13:05-13:40	Prof. Kohei Uosaki	National Institute for Materials Science	Electrochemical Surface Science and Energy Conversion/Storage
13:40-14:00	Prof. Nobutaka Maeda	I ² CNER, Kyushu University	Modulation Excitation Infrared Spectroscopy: Application to Heterogeneous Catalysis
14:00-14:20	Dr. Takashi Fukushima	I ² CNER, Kyushu University	Electrosynthesis of Amino Acids from Biomass-Derivable Acids on Titanium Dioxide
14:20-14:35	Break		
	Chair: Prof. Takahiro Matsumoto (I ² CNER, Kyushu University)		
14:35-14:55	Prof. Tatsuya Uchida	I ² CNER, Kyushu University	Non-heme type robust ruthenium(BPGA) complex catalyzed C–H oxidation
14:55-15:15	Prof. Miho Isegawa	I ² CNER, Kyushu University	The role of TEOA in photocatalytic conversion of CO ₂ to CO by Re complex: A DFT Study
15:15-15:35	Prof. Takeshi Yatabe	I ² CNER, Kyushu University	A future energy technology based on H ₂ activation
15:35-15:55	Dr. Tatsuya Ando	I ² CNER, Kyushu University	What's the Next of Molecular Fuel Cell ?
15:55-16:10	Break		
	Chair: Prof. Ki-Seok Yoon (I ² CNER, Kyushu University)		
16:10-16:45	Prof. Yoshiki Higuchi	University of Hyogo	Structural study on [NiFe]-hydrogenases
16:45-17:05	Prof. Yukina Takahashi	I ² CNER, Kyushu University	Development of Novel Plasmon-induced Charge Separation System for Analytical and Photoelectrochemical Applications
17:05-17:25	Dr. Takuo Minato	I ² CNER, Kyushu University	Hydrogenase model systems with a [NiRu] complex and redox active mediators
17:25-17:30	Prof. Seiji Ogo	I ² CNER, Kyushu University	Closing Remarks