



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

I²CNER THRUST WORKSHOP: TOWARD CARBON NEUTRALITY

ADVANCED ENERGY MATERIALS THRUST (AEM)
AND MULTISCALE SCIENCE AND ENGINEERING FOR ENERGY AND THE ENVIRONMENT THRUST (MS3E)

DATE: FEBRUARY 1ST, 2024, THURSDAY

TIME: 1:00PM – 5:30PM(JST)

VENUE: I²CNER HALLAB/HYBRID, ITO CAMPUS, KYUSHU UNIVERSITY

Time	Speaker	Affiliation	Title
1:00 p.m.	Seiji Ogo	I ² CNER, Kyushu University	Opening Remarks
Session 1: Advanced Energy Materials Thrust (AEM)			
1:05 p.m.	Ki-Seok Yoon	I ² CNER, Kyushu University	Introducing lectures by host
1:10 p.m.	Dong-Eun Kim	Kon-Kuk University, Korea	Graphene Oxide and Poly(ethylene glycol)- engrafted Graphene Oxide as Biocompatible Carbon-based Composites
1:50 p.m.	Qian Wang	Nagoya University	Artificial Photosynthesis for Sustainable Fuel Production from Water, CO ₂ , and Sunlight
2:20 p.m.	Taro Koide	Kyushu University	Activation of cobalt complex by the ligand reduction and its reactivity
2:40 p.m.	Masaki Donoshita	Kyushu University	Synthesis of an unsymmetrically substituted π -extended tetrathiafulvalene derivative toward a chiral/achiral-switchable system
(Coffee Break)			
Session 2 : Multiscale Science and Engineering for Energy and the Environment Thrust (MS3E)			
3:20 p.m.	Yosuke Shigetomi	Nagasaki University	Toward an equitable carbon neutral society utilizing a holistic evaluative approach
4:00 p.m.	Ryuta Kitamura	Japan Organization for Metals and Energy Security	First Step to Launch Japanese CCS Project - Introduction of JOGMEC Advanced CCS projects
4:40 p.m.	Ken Kojio	Kyushu University	Carbon Dioxide Permeability of Polymer Films and Their Intermolecular Interaction
5:00 p.m.	Hideaki Teshima	Kyushu University	Experimental Investigation of Solid-Liquid- Gas Interfacial Phenomena at the Nanoscale
5:20 p.m.	Masanobu Kubota	I ² CNER, Kyushu University	Closing Remarks