



International Institute for Carbon-Neutral Energy Research (I²CNER)

I²CNER Open Seminar

Date: August 22 (Wed), 2012 9:00-11:25

August 23 (Thu), 2012 9:00-11:25

Venue: INAMORI Hall, Ito campus, Kyushu University

"International Institute for Carbon-Neutral Energy Research(I²CNER)" was established on December 1, 2010, under the "World Premier International Research Center Initiative (WPI program)" by MEXT.

At this Institute, leading experts in diverse research fields such as chemistry, physics, materials science, mechanics, geoscience, oceanic science and biomimetics conduct research on production, delivery and storage of hydrogen and capture and sequestration of CO₂ in order to contribute realizing a society for carbon-neutral energy.

We will hold the I²CNER open seminar by young researchers within as well as outside Japan in these fields. Your participation will be highly appreciated.

***All presentation will be conducted in English.**

August 22, Wednesday

Time	Presentation title	Name	Affiliation
9:00-9:20	Synthesis, Structure, and Charge Transporting Properties of Hexacene from Precursor	Motonori Watanabe	Institute of chemistry, Academia Sinica, Taiwan
9:25-9:45	CO ₂ separation with polymeric membranes: Interplay between structure and CO ₂ separation performance	Ikuo Taniguchi	Research Institute of Innovative Technology for the Earth
9:50-10:10	Porous material science for energy and environment technology	Gen Inoue	Kyoto University
10:15-10:35	Energy and Exergy Analysis of the Eco-friendly Thermal Power Generation System	Sun Faming	Ritsumeikan University
10:40-11:00	Optimal technology and fuel choices in the transport sector in achieving the 2°C target	Takayuki Takeshita	University of Tokyo
11:05-11:25	Economic / social evaluation of energy systems to envision a carbon neutral society	Kenshi Itaoka	Mizuho Information & Research Institute, Inc.

August 23, Thursday

Time	Presentation title	Name	Affiliation
9:00-9:20	Nano-technological simulation for efficient-energy systems	James Jacobus Cannon	University of Tokyo
9:25-9:45	Mesoporous Materials Synthesis and Applications	Guo Limin	Tohoku University
9:50-10:10	Surface modification of metal oxide based nanostructures and nano-textured surfaces for novel organic/inorganic hybrid materials	Wei Ma	Kyushu University
10:15-10:35	Ruthenium complex based novel molecular catalysts for photochemical hydrogen evolution from water	Suneesh Chettiyam Veettil	Kyushu University
10:40-11:00	CO ₂ for Enhanced Oil Recovery and Its Interaction with Minerals	Vahid Alipour Tabrizy	University of Stavanger-Norway
11:05-11:25	Will H ₂ -mobility society actualize? : Analysis of energy saving effect and market penetration about fuel cell vehicles.	Seiichiro Kimura	Kyushu University

Free of charge, Registration Not required

For inquiry : Research Support and International Affairs division

International Institute for Carbon-Neutral Energy Research

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