



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

**2019 I²CNER ANNUAL SYMPOSIUM:
ENERGY TRANSITIONS AND THE ROLE OF CCS
TOWARD A CARBON-NEUTRAL ENERGY SOCIETY**

*I²CNER Hall
Ito Campus
Kyushu University*

THURSDAY, JANUARY 31, 2019

- 9:30 a.m. Opening Remarks
Dr. Chiharu Kubo, *President, Kyushu University* (5 min)
Dr. Akira Ukawa, *WPI Program Director, Japan Society for the Promotion of Science* (5 min)
Mr. Ross Matzkin-Bridger, *Energy Attaché, U.S. Embassy Tokyo, and Director, U.S. Department of Energy's Japan Office* (5 min)
Prof. Petros Sofronis, *Director, I²CNER, Kyushu University* (5 min)
- 9:50 a.m. Invited Lecture
"Understanding Transitions: the Case of the Energy Transition"
Prof. Geert Verbong, *School of Innovation Sciences, Eindhoven University of Technology*
- 10:45 a.m. ***Coffee Break***
- 11:05 a.m. Invited Lecture
"Clean Energy Technologies for Economic Transitions"
Dr. Jill Engel-Cox, *Joint Institute for Strategic Energy Analysis, U.S. National Renewable Energy Laboratory*
- 12:00 p.m. I²CNER Presentation
"I²CNER Energy Transition Efforts for a Carbon-Neutral Energy Society"
Prof. Kenshi Itaoka, *I²CNER, Kyushu University*
- 12:30 p.m. ***Group Photo Session & Lunch***

- 1:25 p.m. Invited Lecture
“CCS and its Role in the Low-Carbon Energy Transition”
Prof. Michael Celia, Princeton Environmental Institute, Princeton University
- 2:20 p.m. I²CNER Presentation
“Monitoring for Effective and Safe CO₂ Storage”
Prof. Takeshi Tsuji, I²CNER, Kyushu University
- 2:50 p.m. Invited Lecture
“Overview of Climate Change Measures and Proactive Initiatives for Realizing CCS in Japan”
Mr. Hitoshi Nissaka, Climate Change Projects Office, Global Environment Bureau, Ministry of the Environment, Japan
- 3:20 p.m. **Coffee Break**
- 3:40 p.m. Invited Lecture
“CCS as a Vital Option towards a Sustainable Future”
Dr. Makoto Akai, National Institute of Advanced Industrial Science and Technology
- 4:35 p.m. Invited Lecture
“Energy Transitions, Moral Hazard and Magical Thinking”
Dr. David Reiner, Judge Business School, University of Cambridge
- 5:30 p.m. Wrap up and Implications
Prof. Andrew Chapman, I²CNER, Kyushu University
Prof. Michael Celia, Princeton Environmental Institute, Princeton University
- 6:00 p.m. **Reception**
Venue: I²CNER Lounge

Presentation times:

External invitees: 40 minutes + 15 minutes Q&A

Government representatives and I²CNER faculty: 20 minutes + 10 minutes Q&A