

International Institute for Carbon-Neutral Energy Research (I²CNER)

2018 I²CNER Annual Symposium

<Date> 9:30 – 18:30, Wednesday, 31st January 2018
 <Venue> I²CNER Hall, I²CNER Bldg. 1, Ito Campus, Kyushu University
 <Language> English
 <Theme> Challenges in Thermal Science and Engineering towards a Sustainable Society
 <Program and Speaker>

Time	Program and Speaker
9:30-10:00	<p>Opening Remarks Prof. Masato Wakayama, Executive Vice President, Kyushu University Dr. Akira Ukawa, WPI Program Director, Japan Society for the Promotion of Science Mr. Ross Matzkin-Bridger, Energy Attaché, U.S. Embassy Tokyo, and Director, U.S. Department of Energy's Japan Office Prof. Petros Sofronis, Director, I²CNER, Kyushu University Prof. Bidyut Baran Saha, I²CNER, Kyushu University</p>
10:00-10:50	<p>Keynote Lecture① Prof. Takao Kashiwagi, International Research Center of Advanced Energy Systems for Sustainability, Tokyo Institute of Technology Theme: Thermal Waste Heat Utilization for Achieving Super Smart Community</p>
10:50-11:10	Coffee Break
11:10-11:40	<p>Prof. Anutosh Chakraborty, School of Mechanical and Aerospace Engineering, Nanyang Technological University Theme: Water Adsorption on Various MOFs for Next Generation Cooling Applications</p>
11:40-12:10	<p>Prof. Pega Hrnjak, Air Conditioning and Refrigeration Center/Department of Mechanical Science and Engineering, University of Illinois at Urbana-Champaign Theme: Using Carbon Dioxide in Efficient Energy Conversion Systems as the Way to Carbon-Neutral Society</p>
12:10-13:10	Group Photo Session, Lunch & Poster Session
13:10-14:00	<p>Keynote Lecture② Prof. Gautam Biswas, Indian Institute of Technology, Guwahati Theme: Different Regimes of Pool Boiling</p>
14:00-14:30	<p>Prof. Benjamin McLellan, Graduate School of Energy Science, Kyoto University Theme: Renewable Energy and the Minerals Industry: Focus on Thermal Energy Applications</p>
14:30-15:00	<p>Prof. Koji Takahashi, I²CNER, Kyushu University Theme: Thermophysical Measurement Methods for Individual Nanomaterials and Control of Nanoscale Thermal Transport</p>
15:00-15:30	<p>Prof. Takahiko Miyazaki, I²CNER, Kyushu University Theme: Potential of an Ambient Air for Energy Saving Technologies through the Maisotsenko Cycle</p>
15:30-16:00	<p>Prof. Liwei Wang, Institute of Refrigeration and Cryogenics, Shanghai Jiao Tong University Theme: Efficient Electricity Generation Cycles Driven by Low Grade Heat</p>
16:00-16:20	Coffee Break
16:20-16:50	<p>Prof. J. Steven Brown, School of Engineering, The Catholic University of America Theme: Low Global Warming Potential Working Fluids</p>
16:50-17:20	<p>Prof. Yukihiro Higashi, I²CNER, Kyushu University Theme: Thermodynamic Property Measurements of Low-GWP Refrigerant Mixtures</p>
17:20-17:50	<p>Prof. Naoya Sakoda, I²CNER, Kyushu University Theme: Thermophysical Property Measurements of High-Pressure Hydrogen up to 100 MPa and Applications of the Database to Design for Hydrogen Infrastructure</p>
17:50-18:20	<p>Prof. Akio Miyara, Department of Mechanical Engineering, Saga University/I²CNER, Kyushu University Theme: Effects of Condensate Flow and Thickness on Heat Transfer of Film-wise Condensation</p>
18:20-18:30	<p>Closing Remarks Prof. Yasuyuki Takata, I²CNER, Kyushu University</p>
18:30-20:00	Reception (Venue: I ² CNER Lounge)