



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

---

**- THERMAL ISSUES FOR HYDROGEN AND NEW REFRIGERANTS  
FOR ENERGY SYSTEMS -**  
**HYDROGENIUS AND I²CNER JOINT RESEARCH SYMPOSIUM**  
I²CNER THERMAL SCIENCE AND ENGINEERING DIVISION  
& HYDROGENIUS THERMOPHYSICAL PROPERTIES DIVISION

---

DATE: WEDNESDAY, JANUARY 30, 2019

TIME: 13:20 – 17:45

VENUE: CONFERENCE ROOM, 2F, I²CNER BLD. 1

Time	Speaker	Affiliation	Title
13:20-14:00	Laura Fedele	Construction Technologies Institute, National Research Council (ITC-CNR)	Phase Change Materials and Nanofluids as Innovative Materials for Energy Applications
14:00-14:40	Sergio Bobbo	Construction Technologies Institute, National Research Council (ITC-CNR)	Thermophysical Properties of Low GWP Refrigerants
14:40-15:10	Yukitaka Kato	Tokyo Institute of Technology	Energy Storage for Future Energy Systems
15:10-15:40	Ken Yamamoto	Tokyo University of Science	Pinning in the Interface Translation
15:40-16:00	Masahiro Narasaki	Kyushu University	Thermal Transport in Structurally-modified Nanocarbon Materials
16:00-16:10	Break		
16:10-16:50	Anutosh Chakraborty	Nanyang Technological University	Water Adsorption Study on Various Synthesized MOFs Employing Grand Canonical Monte Carlo Simulation and Experimental Investigations
16:50-17:20	Jin Miyawaki	Kyushu University	Development of Activated Carbons with Enhanced Effective Adsorption Amount
17:20-17:40	Mahabubul Muttakin	Kyushu University	Performance Evaluation of a Silica Gel-Water Adsorption Chiller Involving Mass and Heat Recovery Processes
17:40-17:45	Naoya Sakoda	Kyushu University	Closing Remarks