

## Workshop on Thermal Issues for Hydrogen and Related Energy Systems

Time & Date: 9:50~17:00, February 4 (Wed.), 2015

Venue: I2CNER 2F, Conference Room

### Program

9:50-10:00	Opening Remarks: Yasuyuki Takata, Kyushu University
<b>10:00-12:00</b>	Chair:
10:00-10:40	<b>Useful Lessons from Nature for Improving Energy Efficiency and Sustainable Development</b> Yuying Yan, University of Nottingham
10:40-11:10	<b>Two-Phase Heat Transport Device Using Capillary Action in a Microscale Porous Structure</b> Hosei Nagano, Nagoya University
11:10-11:40	<b>Emerging Functions of Electrically-induced Bubble Knife</b> Yoko Yamanishi, Shibaura Institute of Technology
11:40-12:00	<b>Dynamics of Droplet Condensation on Chemically Patterned Micropillars</b> Daniel Orejon, Kyushu University
12:00-13:20	<b>Lunch</b>
<b>13:20-14:40</b>	Chair:
13:20-13:50	<b>Radiation Control by Micro-cavities in Resin with Metal Film</b> Tsuyoshi Totani, Hokkaido University
13:50-14:20	<b>Analytical Model for Heat Transfer during Charging a Carbon Fiber Reinforced Plastic Pressure Vessel</b> Peter Woodfield, Griffith University
14:20-14:40	<b>Pooling Boiling on a Biphilic Surface</b> Biao Shen, Kyushu University
14:40-14:50	<b>Break</b>
<b>14:50-15:30</b>	Chair:
14:50-15:10	<b>Waste Heat Utilization by Adsorption Heat Pumps</b> Takahiko Miyazaki, Kyushu University
15:10-15:30	<b>T-type Raman Spectroscopy Method for Determining Laser Absorptivity, Thermal Conductivity and Air Heat Transfer Coefficient of Micro/Nano Fibers</b> Qinyi Li, Kyushu University
15:30-17:00	<b>Laboratory Tour</b>