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**- THERMAL ISSUES FOR HYDROGEN AND NEW REFRIGERANTS**  
**FOR ENERGY SYSTEMS –**  
**HYDROGENIUS AND I<sup>2</sup>CNER JOINT RESEARCH SYMPOSIUM**  
**HYDROGENIUS THERMOPHYSICAL PROPERTIES DIVISION**  
**& I<sup>2</sup>CNER THERMAL SCIENCE AND ENGINEERING DIVISION**

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**DATE: FRIDAY, JANUARY 31, 2020**

**TIME: 13:00-17:20**

**VENUE: WEST 4 BUILDING-914**

**10:00-11:30: Lab Tour**

Time	Speaker	Affiliation	Title
	Chair: Ryo Akasaka, Kyushu Sangyo University Yasuyuki Takata, Kyushu University		
13:00-13:50	Roland Span	Ruhr-Universität Bochum	The German Hydrogen Strategy and the Status of the Description of Thermodynamic Properties of Hydrogen and Hydrogen-Rich Mixtures
13:50-14:20	Sanehiro Muromachi	National Institute of Advanced Industrial Science and Technology (AIST)	Gas Capture Properties of Semiclathrate Hydrates – Water Based Materials
14:20-14:50	Sho Fukuda	Kyushu Sangyo University	Experimental Study of Condensation and Evaporation on Horizontal Tube
14:50-15:10	Hideaki Teshima	Kyushu University	Experimental Study on Adsorbed Gas Layers by Using Frequency Modulation Atomic Force Microscopy
15:10-15:20	Break		
	Chair: Yutaku Kita, Kyushu University		
15:20-16:10	Jiangtao Wu	Xi'an Jiaotong University	Thermophysical Properties Research of Alternative Refrigerants in XJTU
16:10-16:40	Koji Hasegawa	Tokyo Urban Tech.	Lab-in-a-drop: Transport Phenomena of Droplet in Acoustic Levitation
16:40-17:00	Naoya Sakoda	Kyushu University	Thermophysical Property Measurements of High-Pressure Hydrogen and Low-GWP New Refrigerants
17:00-17:20	M.L. Palash	Kyushu University	Surface Energy Characterization of Various Porous Adsorbents