

## HYDROGENIUS 物性研究部門 & I<sup>2</sup>CNER 熱科学研究部門 <HYDROGENIUS & I<sup>2</sup>CNER Joint Research Symposium>

<日時> 2018年2月2日(金曜日) 9:50-16:55  
 <場所> 九州大学伊都キャンパス I<sup>2</sup>CNER 第1研究棟 2F Conference Room  
 <言語> 英語  
 <テーマ> Thermal Issues for Hydrogen and New Refrigerants for Energy Systems

### <プログラム及び講演者>

時間	プログラム・講演者
9:50-10:00	<b>Opening remarks</b> Yasuyuki Takata (Kyushu University)
10:00-10:40	Shalabh C. Maroo (Syracuse University) Experimental and Molecular Study of Microlayer in Pool Boiling and Thin-Film Evaporation
10:40-11:20	Prashant Valluri (The University of Edinburgh) Watching Sessile Droplets Evaporate: Beautiful (and Never Boring) Phenomena
11:20-11:40	Alexandros Askounis (Kyushu University) Can Ultrathin Water Films Remain Stable in Nanoconfinement?
11:40-12:00	Daniel Orejon (Kyushu University) Coalescence-induced Droplet-jumping Suppression by Microstructures on Superhydrophobic Surfaces
12:00-13:20	<b>Lunch</b>
13:20-14:00	Emadabathuni Anil Kumar (Indian Institute of Technology Tirupati) Effective Thermal Conductivity of Metal Hydride Beds: Measurement, Simulation and Augmentation
14:00-14:40	Khairul Habib (Universiti Teknologi Petronas (UTP)) Photo Thermoelectric Air Duct Systems for Self-Sustainable Buildings
14:40-15:00	Biao Shen (Kyushu University) Boiling on Surfaces with Heterogeneous Wettability
15:00-15:10	<b>Break</b>
15:10-15:40	Kenji Takizawa (National Institute of Advanced Industrial Science and Technology (AIST)) Evaluation of Low Flammability for Next Generation Refrigerants
15:40-16:10	Ryo Akasaka (Kyushu Sangyo University) Current Status and Future Development of a New Fundamental Equation of State for cis-1,1,1,4,4,4-Hexafluoro-2-butene (R-1336mzz(Z))
16:10-16:30	Yutaku Kita (Kyushu University) Drop Mobility on Microtextured Surfaces with Wettability Contrasts
16:30-16:50	Taichi Kuroki (Kyushu University) Temperature Rise of Hydrogen Storage Cylinders by Thermal Radiation from Fire at Hydrogen-Gasoline Hybrid Refueling Stations
16:50-16:55	<b>Closing remarks</b> Naoya Sakoda (Kyushu University)