

Workshop on Thermal Issues for Hydrogen and Related Energy Systems

Time & Date: 12:35~16:50, January 31 (Fri.), 2014

Venue: I2CNER 2F, Conference Room

Preliminary Program

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| 12:35-12:40 | Opening Remarks: Yasuyuki Takata, Kyushu University |
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| 12:40-15:00 | Chairman: Xing Zhang, Tsinghua University Masamichi Kohno, Kyushu University |
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1. 12:40-13:20 **A Review of Surface Engineering for Phase Change Heat Transfer**
Daniel Attinger, Iowa State University
 2. 13:20-14:20 **Aspects of Flow Boiling in Small to Micro Metallic Tubes**
Hydrogen Generation from Methane and Propane Using Cold Plasma
Michael W. Collins, Brunel University
 3. 14:20-14:40 **Thermal Transport in a Thick Multi-Walled Carbon Nanotube**
Koji Takahashi, Kyushu University
 4. 14:40-15:00 **Dynamics of the Triple Contact Line during 2-Phase Change at both Macro and Microscale**
Daniel Orejon, Kyushu University
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| 15:00-15:10 | Break |
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| 15:10-16:50 | Chairman: Chungpyo Hong, Kagoshima University Satoru Momoki, Nagasaki University |
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5. 15:10-15:50 **Thermal Conductivity Measurement at High Pressures; Heat Conduction Inner the Earth**
Takashi Yagi, National Institute of Advanced Industrial Science and Technology (AIST)
 6. 15:50-16:30 **Constitutional and Structural Dependence of Thermal Conductivity of Thin Film and Interface**
Yibin Xu, National Institute for Materials Science (NIMS)
 7. 16:30-16:50 **Thermophysical Properties of High-Pressure Hydrogen: Recent Achievements and Future Prospects**
Naoya Sakoda, Kyushu University
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