

# Workshop on Thermal Issues for Hydrogen and Related Energy Systems

Time & Date: 12:35~17:30, 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:
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 Three Phase Contact Line during Evaporation and Boiling at both  
Macro and Microscale**  
Daniel Orejon, Kyushu University
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- 15:00-15:10      **Break**
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- 15:10-17:30**      Chairman:
5. 15:10-15:50      **Global Warming and Scientific Uncertainty**  
Hideo Yoshida, Kyoto University
  6. 15:50-16:30      **Thermal Conductivity Measurement at High Pressures; Heat Conduction Inner  
the Earth**  
Takashi Yagi, National Institute of Advanced Industrial Science and Technology  
(AIST)
  7. 16:30-17:10      **Constitutional and Structural Dependence of Thermal Conductivity of Thin Film  
and Interface**  
Yibin Xu, National Institute for Materials Science (NIMS)
  8. 17:10-17:30      **Thermophysical Properties of High-Pressure Hydrogen: Recent Achievements and  
Future Prospects**  
Naoya Sakoda, Kyushu University
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