

Workshop on Thermal Issues for Hydrogen Energy Systems

Time & Date: 9:45~16:20, January 31 (Thu.), 2013

Venue: Seminar Room, Inamori Center 2F, Kyushu University Ito Campus

Program

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- 9:45-9:50 Opening Remarks: Yasuyuki Takata, Kyushu University
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- 9:50-12:00** Chairman:
1. 9:50-10:30 **Keynote Lecture 1 :**
Transport Property Measurement of High Pressure Hydrogen
Peter Woodfield, Griffith University
2. 10:30-10:50 **PVT Property Measurements of Hydrogen at High Temperatures and High Pressures**
Naoya Sakoda, Kyushu University
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- 10:50-11:10 **Break**
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3. 11:10-11:30 **Hydrogen Viscosity Measurement with Vibrating Wire Method**
Kosuke Yoshimura, Kyushu University
4. 11:30-12:00 **Invited Talk:**
Thermal Transport Properties of Li Ion Battery Cathode Materials by Time-domain Thermal-reflectance
Jiung Cho, University of Illinois at Urbana-Champaign
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- 12:00-13:20 **Lunch**
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- 13:20-14:40** Chairman:
5. 13:20-14:00 **Keynote Lecture 2 :**
Study on Thermophysical Properties of Nano-structured Materials
Xing Zhang, Tsinghua University
6. 14:00-14:20 **Characterization of Hydrogen Gas Permeability in Polymer Electrolyte Membrane by NMR Method**
Ryosuke Nagahisa and Kohei Ito, Kyushu University
7. 14:20-14:40 **Frost Point Measurements and Estimation for High-pressure H₂-H₂O Systems**
Kenji Ishida, Saga University
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- 14:40-15:00 **Break**
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- 15:00-16:20** Chairman:
8. 15:00-15:40 **Keynote Lecture 3 :**
Study on Adsorption Cooling Systems toward Carbon Neutral Energy Society
Bidyut Baran Saha, Kyushu University
9. 15:40-16:00 **Heat Transfer from Hydrogen to Tank Wall during Refueling Hydrogen into the High Pressure Tank**
Masataka Kosaka and Masanori Monde, Saga University
10. 16:00-16:20 **Development of Thermophysical Properties Database for Hydrogen by HYDROGENIUS - Current Status Report -**
Satoru Momoki, Nagasaki University