

Workshop on Thermal Issues for Hydrogen and New Refrigerant for Energy Systems

Time & Date: 9:50~16:15, February 3 (Fri.), 2017

Venue: I2CNER 2F, Conference Room

Program

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| 9:50-10:00 | Opening Remarks: Yasuyuki Takata, Kyushu University |
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| 10:00-11:50 | Chair: TBA |
| 10:00-10:40 | Capillarity, Wetting and Smart Surfaces Glen McHale, University of Northumbria |
| 10:40-11:10 | Effect of Tube Diameter and Cross-section Configuration on Void Fraction of One-Component Vertically Upward Two-Phase Flow Hitoshi Asano, Kobe University |
| 11:10-11:30 | Carbon Based Nano Composites for Thermal Energy Storage Applications Sivasankaran Harish, Kyushu University |
| 11:30-11:50 | The Role of Micropillar Density and Nano-Structure Orientation on Condensation Heat Transfer Daniel Orejon, Kyushu University |
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| 11:50-13:10 | Lunch |
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| 13:10-14:40 | Chair: TBA |
| 13:10-13:50 | Phase Change Heat Transfer Measurements Using Temperature Sensitive Paints Jungho Kim, University Maryland |
| 13:50-14:10 | Negative-Superheat Boiling on Biphilic Surfaces Biao Shen, Kyushu University |
| 14:10-14:40 | TBA Adhika Widyaparaga, Gadjah Mada University |
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| 14:40-15:00 | Break |
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| 15:00-16:10 | Chair: TBA |
| 15:00-15:40 | Molecular Simulation and its Application to HFO Working Fluids Gabriele Raabe, TU Braunschweig |
| 15:30-15:50 | Multi-Effect Adsorption Desalination Systems or Next Generation Adsorption Desalination Systems Kyaw Thu, Kyushu University |
| 15:50-16:10 | Prediction of Temperature and Pressure of Hydrogen Passing through Filling Equipment Taichi Kuroki, Kyushu University |
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| 16:10-16:15 | Closing Remarks: Naoya Sakoda, Kyushu University |
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