

OS10: Two-Phase Thermal Control Technology

November 19, 2024

EX-4-A

- OS10-1 **Thermal Management System for High-Heat-Flux Applications Using Two-phase Pumped Loop Systems** (*Invited*)
13:10-13:50 Tomoki Hirokawa (University of Hyogo, Japan)
- OS10-2 **Effect of Orientation on the Performance of the Two-Phase Cold Plate**
13:50-14:10 Kung-Yun Ho (National Yang Ming Chiao Tung University, Taiwan), Shi-Wen Lin, Tzu-Wei Chang (Coretronic Corporation, Taiwan), Chi-Chuan Wang (National Yang Ming Chiao Tung University, Taiwan)
- OS10-3 **High-speed Visualization of Microscale Phase Change Behavior in a Porous Media Under Saturated Vapor Conditions**
14:10-14:30 Taito Kato (The University of Tokyo, Japan), Kimihide Odagiri, Yuki Akizuki (Japan Aerospace Exploration Agency, Japan), Hosei Nagano (Nagoya University, Japan), Hiroyuki Ogawa (Japan Aerospace Exploration Agency, Japan)
- OS10-4 **Comparison of Porous Characteristics by Various Measurement Methods**
14:50-15:10 Masahito Nishikawara (Nagoya University, Japan)
- OS10-5 **Numerical Study of Oscillating Heat Pipes with Different Diameter Channel**
15:10-15:30 Ayumu Kawaguchi, Yuzen Sasaoka (Tohoku University, Japan), Makiko Ando, Atsushi Okamoto (Japan Aerospace Exploration Agency, Japan), Tsubasa Ikami, Hiroki Nagai (Tohoku University, Japan)
- OS10-6 **Parasitic Heating Effect on Operating Characteristics of CLHP**
15:30-15:50 Takeshi Yokouchi (Tohoku University, Japan), Xinyu Chang (Tokai University, Japan), Kimihide Odagiri, Hiroyuki Ogawa (Japan Aerospace Exploration Agency, Japan), Hosei Nagano (Nagoya University, Japan), Hiroki Nagai (Tohoku University, Japan)
- OS10-7 **Observation of Acoustic Streaming in Wet Thermoacoustic Engines Using PIV**
16:30-16:50 Shu-Han Hsu, Wei-Ting Lin (National Taipei University of Technology, Taiwan)
- OS10-8 **Effect of Bubbling on the Single-Phase Performance for Immersion Heat Sink**
16:50-17:10 Yun-Sheng Chao, Chi-Chuan Wang (National Yang-Ming Chiao Tung University, Taiwan)