

OS10: Two-Phase Thermal Control Technology

November 11, 2025

EX-3B

- | | |
|-----------------------|--|
| OS10-1
13:30-13:50 | Characterization of Temperature Controllability of Loop Heat Pipe with Electrohydrodynamic Pump
<u>Masahito Nishikawara</u> (Nagoya University, Japan), Takeshi Miyakita (Japan Aerospace Exploration Agency, Japan) |
| OS10-2
13:50-14:10 | Development of a New Seal System of Turboexpander for Hydrogen Liquefiers
<u>Noritaka Nakamura</u> , Yusei Miyamoto (Kawasaki Heavy Industries, Ltd., Japan) |
| OS10-3
14:10-14:30 | Design and Experimental Demonstration of a Nitrogen-Charged Loop Heat Pipe for a Cryogenic Passive Cooler
<u>Hidenori Hamano</u> (The University of Tokyo, Japan), Kimihide Odagiri, Atsuhiro Gomi, Hiroyuki Ogawa (Japan Aerospace Exploration Agency, Japan) |
| OS10-4
14:30-14:50 | Numerical Analysis of Heat Transfer Phenomena in a Meander-Shaped Low-Fill Heat Pipe
<u>Asami Hatamoto</u> , Koji Fumoto (Aoyama Gakuin University, Japan), Hiroki Nagai (Tohoku University, Japan) |
| 15:00-15:15 | BREAK |
| OS10-5
15:15-15:35 | Local Heat Transfer during Evaporative Flow in a Plate Heat Exchanger with Thin Plates
<u>Tomoki Hirokawa</u> (University of Hyogo, Japan) |
| OS10-6
15:35-15:55 | Effect of Multi-Channel Interaction on Boiling Characteristics in Two-Phase Microjet Cooling
<u>Stefan Oshima</u> , Shoya Murakami (Nagoya University, Japan), Tadayoshi Shoyama (Innovative Space Carrier Inc., Japan), Norio Higuchi, Hitoshi Sakai (NTT Data XAM Technologies Corporation, Japan), Kiyoshi Kinefuchi (Nagoya University, Japan) |
| OS10-7
15:55-16:15 | Flow Boiling Heat Transfer of Refrigerant HFC-245fa in Microchannel Cold Plate with Stepped Channel Height
<u>Zong-Lin Jiang</u> , Chien-Yuh Yang (National Central University, Taiwan) |