

OS18: Flow measurements using PSP/TSP technique

November 6, 2023

EX-4-A

- OS18-1 **Recent Developments of Pressure-Sensitive Paint Technique in JAXA Test Facilities**
14:10-14:50 *(Invited)*
Yosuke Sugioka, Kazuyuki Nakakita (Japan Aerospace Exploration Agency, Japan)
- OS18-2 **Development of Low-Photodegradable AA-PSP with Pyrene Derivatives**
14:50-15:10 Yasuhiro Egami, Hiromu Horie, Yuya Okamoto, Eri Matsushita (Aichi Institute of Technology, Japan)
- OS18-3 **Study on the Method for Extracting Pressure Fluctuations Created by Flapping-Jet Device from PSP Data**
15:10-15:30 Kota Ogasawara, Taro Handa (Toyota Technological Institute, Japan)
- OS18-4 **An Experimental Study of Film Cooling and Heat Transfer using Dual-luminophore Pressure-Sensitive Paint**
15:50-16:10 Wei-Ting Cheng (National Yang Ming Chaio Tung University, Taiwan), Chih-Yung Huang (National Tsing Hua University, Taiwan), Yao-Hsien Liu (National Yang Ming Chiao Tung University, Taiwan)
- OS18-5 **Investigation of The Correlation Between Wafer Temperature Distribution and Process Performances in Chemical Mechanical Planarization Process by Flow and Temperature Visualization Methods**
16:10-16:30 Yung-Ching Chang, Hsiang-Hong Hsu, Wei-Hsin Tien (National Taiwan University of Science and Technology, Taiwan)
- OS18-6 **Numerical and Experimental Analysis of Conjugate Heat Transfer in Glass Microchannel Flow with Sidewall Heating**
16:30-16:50 Po-Cheng Wang, Yu-Wei Wu, Tong-Miin Liou, Chih-Yung Huang (National Tsing Hua University, Taiwan)
- OS18-7 **Proposal of Noise Reduction Method for PSP Data Using Multivariate Singular Spectrum Analysis**
16:50-17:10 Makoto Takagi, Koyo Kubota, Ryo Shigehara (Waseda University, Japan), Tsubasa Ikami (Tohoku University, Japan), Yasuhiro Egami (Aichi Institute of Technology, Japan), Hiroki Nagai (Tohoku University, Japan), Yu Matsuda (Waseda University, Japan)
- OS18-8 **Aerodynamic Coefficients Study of the Application of Pressure-sensitive Paint on NACA 0012 Airfoil in Low-Speed Wind Tunnel**
17:30-17:50 Sheng-Jie Fu, Kai-Ting Huang, Chih-Yung Huang (National Tsing Hua University, Taiwan), Kung-Ming Chung (National Cheng Kung University, Taiwan)
- OS18-9 **Development of Pressure Distribution Measurement Technique Using AA-PSP at Transonic Free-Flight**
17:50-18:10 Yukiya Takikawa, Koichi Takahashi, Toshihiro Ogawa, Tsubasa Ikami, Hiroki Nagai (Tohoku University, Japan), Daiki Kurihara, Joseph. P. Gonzales, Hirotaka Sakaue (University of Notre Dame, USA)

- OS18-10 **Visualization of Leading Edge Vortex in Low Reynolds Number Rotor by cntTSP**
18:10-18:30 Ren Nishimura, Tsubasa Ikami, Hiroki Nagai (Tohoku University, Japan)
- OS18-11 **Sonic Boom Distribution Measurement of Supersonic Projectile in Ballistic Range**
18:30-18:50 Junnosuke Abe, Toshihiro Ogawa, Tsubasa Ikami, Hiroki Nagai (Tohoku University,
Japan), Shun Takahashi (Japan Aerospace Exploration Agency, Japan)
- OS18-12 **Surface Pressure Measurement of Elliptical Cavities with Variable Eccentricity in**
18:50-19:10 **Compressible Flow**
Yi-Xuan Huang, Ping-Han Chung, Kung-Ming Chung, Keh-Chin Chang (National
Cheng Kung University, Taiwan)