

Poster Session Program

Wednesday, August 28th, 2024

1. Poster Flash Talk 12:50-13:20

Presentation time is 2 min.

Use the PC in the conference room. Don't use own PC.

Schedule is below.

2. Poster Presentation 13:20-14:20

P-01. Measurement of temperature distribution of hot airflow using ultra-thin glass tubes injected with temperature-sensitive phosphors

Shumpei Funatani¹, Yusaku Tsukamoto¹

¹ *University of Yamanashi*

P-02. Composite dynamic mode decomposition of simultaneous measurements of surface pressure and deformation distributions in transonic flutter

Masato Imai¹, Kazuyuki Nakakita², Kunihiro Taira³, Masaharu Kameda¹

¹ *Tokyo University of Agriculture and Technology,*

² *Japan Aerospace Exploration Agency (JAXA),*

³ *University of California, Los Angeles*

P-03. Pressure distribution measurement in low-speed flow using silica-based P/C-PSP

Masaki Okawa¹, Yuma Yamagishi¹, Tsubasa Ikami¹, Kanako Watanabe¹, Hiroki Nagai¹

¹ *Tohoku University*

P-04. Cationic Ruthenium complex-loaded reverse polymer micelles for two-color PSP/TSP

Makoto Obata¹, Wataru Miyaoi¹, Hinano Tanaka¹, Yoshimi Iijima², Kazuyuki Nakakita²

¹ *University of Yamanashi,*

² *Japan Aerospace Exploration Agency (JAXA)*

P-05. Temperature sensitivity of phosphor materials at low temperature - 2nd reports

Satoshi Someya¹

¹ *Tokyo Denki University*

P-06. Sparse representation of pressure-sensitive paint data

Yu Matsuda¹, Makoto Takagi¹, Tsubasa Ikami², Yasuhiro Egami³, Hiroki Nagai²

¹ *Waseda University,*

² *Tohoku University,*

³ *Aichi Institute of Technology*

- P-07. Effect of temperature increase on pressure measurement by using pressure-sensitive paint with relatively large thickness**
Hideo Mori¹, Haruka Nishiyama¹, Kodai Tsuji¹, Haruto Yamashita¹, Riku Takemura¹, Yuta Kanda¹, and Ryusuke Hosaka¹
¹ *Kyushu University*
- P-08. Development of dye-painted AA-PSP for measuring unsteady pressure fields induced by shock waves from hypersonic free-flight projectiles**
Yuma Kawamata¹, Takeru Kawashima¹ and Daiju Numata¹
¹ *Tokai University*
- P-09. Simultaneous measurement of pressure and temperature by frequency domain lifetime imaging using dual layer PSP/TSP**
Riki Ogawa¹, Maito Kakenhiro¹, Mizue Munekata¹, Hiroyuki Yoshikawa¹, and Hideo Mori²
¹ *Kumamoto University*,
² *Kyushu University*
- P-10. The novel sensor to determine the dissolved oxygen in water**
Y. Kiyota¹, T. Yagam¹i, Y. Suzuki¹, Y. Egami¹, H. Shiba², S. Shiono²
¹ *Aichi Institute of Technology*,
² *Fukui Prefecture University*
- P-11. Gaseous flow velocimetry using a microscope**
Hiroki Yamaguchi¹, Yuto Usui¹
¹ *Nagoya University*
- P-12. Surface heat transfer visualization on hypersonic flat-plate/sharp-fin model by TSP**
Masato Taguchi¹, Taichi Itonaga¹, Masashi Kashitani¹
¹ *National Defense Academy of Japan*