

**The 21st International Conference on Flow Dynamics**  
**Best Presentation Award for Young Researcher**  
**List of Awardees**

We are pleased to announce that the following presenters were awarded the 21st International Conference on Flow Dynamics Best Presentation Award for Young Researcher. Congratulations!

Co-chairs of the ICFD2024

Tetsuya Uchimoto, Professor

Gael Sebald, Professor

GS1-9: “Jet Features of Explosive Volcanic Eruptions based on Shock Tube Experiments”  
**Nils Steinau**, Kae Tsunematsu (Yamagata University, Japan), Kiyonobu Ohtani (Tohoku University, Japan), Kazuya Seo, Akuto Kaneko (Kogakuin University, Japan), Toshihiro Ogawa (Tohoku University, Japan)

OS2-8: “Pressure Scaling of Sooting Processes in a Counterflow Diffusion Flame from 1 to 6 bar”  
**Rajat Sawanni**, Ömer L. Gülder (University of Toronto, Canada)

OS3-4: “Epitaxial Growth of High-quality  $\text{Mg}_3\text{Sb}_2$ -based Thin Films and Their Thermoelectric Properties”  
**Akito Ayukawa**, Nozomu Kiridoshi, Takeru Kuriyama (Ibaraki University, Japan), Wakaba Yamamoto, Akira Yasuhara (JEOL Ltd., Japan), Haruhiko Udonon, Shunya Sakane (Ibaraki University, Japan)

OS5-5: “Data Assimilation for Determination of EHD Force and Heating Fields Based on Velocity and Density Field Measurements”  
**Yutaka Kaneko** (Tohoku University, Japan), Akinori Yamanaka, Hiroyuki Nishida (Tokyo University of Agriculture and Technology, Japan)

OS5-15: “Collapse Process of Gas Pore from a Rotating Metal Liquid Droplet”  
**Joe Yoshikawa**, Keisuke Itoh (Industrial Technology Institute, Miyagi Prefectural Government, Japan), Hidemasa Takana (Tohoku University, Japan)

OS7-5: “Discontinuity-capturing Numerical Scheme on Unstructured Grid for Single-phase and Liquid-gas Two-phase Compressible Flows with Phase Change”

**Hiro Wakimura**, Takayuki Aoki, Feng Xiao (Tokyo Institute of Technology, Japan)

OS9-16: “A Computational Fluid Dynamics-based Framework for Slip-Resistance Performance of Progressively Worn Common Outsole Designs: Implications on Slips and Falls”

**Shubham Gupta**, Arnab Chanda (Indian Institute of Technology (IIT) Delhi / All India Institute of Medical Sciences (AIIMS) Delhi, India)

OS11-8: “Microorganisms Co-encapsulation within Microfluidic Gel Beads and Their Analysis Using Flow Cytometry to Discover Antibiotic-Producing Strains”

**Abraham Ochoa**, Paulina G. De la Luz-Ángeles, Yesica Rodríguez-Hernández, Joaquín H. Lara-Baños, Luis F. Olguin (National Autonomous University of Mexico, Mexico)

OS12-24: “Fluid Displacement in a Partially Miscible System with a 2-D Micromodel”

**Shunta Kiuchi**, Ryuta X. Suzuki (Tokyo University of Agriculture and Technology, Japan), Manoranjan Mishra (Indian Institute of Technology Ropar, India), Takahiko Ban (Osaka University, Japan), Anindityo Patmonoaji, Yuichiro Nagatsu (Tokyo University of Agriculture and Technology, Japan)

OS14-6: “Co-Culture with Microvascular Networks Attenuates Cancer Cell Proliferation under Hypoxia”

**Satoshi Aratake**, Kenichi Funamoto (Tohoku University, Japan)

OS18-2: “Pressure Distribution Measurement on NACA0012 Airfoil using Silica-based PSP in Low-Speed Flow”

**Masaki Okawa**, Yuma Yamagishi, Tsubasa Ikami, Kanako Watanabe, Hiroki Nagai (Tohoku University, Japan)

OS21-6: “A Smart Shear Thickening Fluid (STF)-based Warning-protection Sponge towards Sensing Performance and Impact Resistance with Excellent Flame Retardant”

**Yucheng Pan**, Min Sang, Xinglong Gong (University of Science and Technology of China, China)