The 22nd 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 22nd International Conference on Flow Dynamics Best Presentation Award for Young Researcher. Congratulations!

Co-chairs of the ICFD2025
Makoto Ohta, Professor
Vincent Fridrici, Professor

GS1-12: “Design Considerations for Landing Pads with Airflow Holes for Small Rotorcraft”
Taisei Hara, Hikaru Otsuka, Hiroshi Tokutake (Kanazawa University, Japan),
Hiroki Nagai (Tohoku University, Japan)

OS2-36: “Validation of 1D DNS Knock-Onset Prediction Methodology Using CFR Engine Data”
Hinata Moriyama, Youhi Morii, Akira Tsunoda (Tohoku University, Japan), Yuki Yasutake, Katsuhiro Misono, Yoshikatu Suzuki, Taketora Naiki, Manabu Watanabe (ENEOS Corporation, Japan), Kaoru Maruta (Tohoku University, Japan)

OS2-57: “Impacts of Thermochemistry on Model Prediction for NH_3 Oxidation”
Kenta Tamaoki, Hisashi Nakamura (Tohoku University, Japan)

OS3-4: “Numerical and Experimental Investigation of Atomized Droplets Ejected from the Edge of a Rotating Disk”
Akira Ishimaru, Shintaro Aihara (SCREEN Holdings Co., Ltd, Japan), Takeshi Matsuda (SCREEN Holdings Co., Ltd / Nagoya Institute of Technology, Japan), Masakazu Muto, Shinji Tamano (Nagoya Institute of Technology, Japan), Norimasa Matsui (SCREEN Holdings Co., Ltd, Japan)

OS4-7: “Measurement of Residual Thrust Due to Post-Firing Fuel Ablation in a Hybrid Thruster”
Hinata Kariya, Kotaka Nagayama, Koichi Utsugi, Toshinori Kuwahara, Yuji Saito (Tohoku University, Japan)

OS5-2: “Numerical Simulation on Power Generation by Ion Transport in Carbon Nanotube Composite Paper Considering Electrode Redox Reaction”
Ryo Igari, Hidemasa Takana (Tohoku University, Japan)

OS6-5: “Experimental Investigation of Afterbody Geometry Effects on Dynamic Instability of Atmospheric Entry Capsule in Transonic Regime”
Jinyoung Kim (Seoul National University, Republic of Korea), Mithat Can Engin (Technical University of Berlin, Germany), Bok Jik Lee (Seoul National University, Republic of Korea), Hiroki Nagai (Tohoku University, Japan)

OS7-12: “Machine-learning-based Informative Mode Analysis for Separated Airfoil Wakes”
Kai Fukami (Tohoku University, Japan), Ryo Araki (Tokyo University of Science, Japan)

OS8-12: “Electrical Characteristics of Water High-speed Nanodroplet Impacts”
Jiun-Shian Lee, Takehiko Sato (Tohoku University, Japan), Yun-Chien Cheng (National Yang Ming Chiao Tung University, Taiwan), Toshiyuki Sugimoto (Yamagata University, Japan), Tomoki Nakajima, Siwei Liu (Tohoku University, Japan)

OS9-3: “Quantitative Geometric Comparison of Real and Virtual Internal Carotid Arteries Based on Three Dimensional Bending Angles and Shape Distance Metrics”
Vedhino Bima Aryaputra Ahnaf, Kazuyoshi Jin, Jing Liao, Makoto Ohta, Hitomi Anzai (Tohoku University, Japan)

OS9-7: “Development of Polysuccinimide-Salt Nanofibers for Wound Dressing Applications”
Veronika Pálos, Dorottya Gréta Kis, Sarolta Halmóczki, Constantinos Voniatis (Semmelweis University, Hungary), Hanif Saifurrahman, Makoto Ohta (Tohoku University, Japan), Angela Jedlovszky-Hajdu (Semmelweis University, Hungary)

OS11-2: “Numerical Simulation on the Migration of a Soft Particle in non-Newtonian Channel Flow”
Rikuto Ishida, Tomohiro Fukui (Kyoto Institute of Technology, Japan)

OS12-23: “Enhanced Pool Boiling Performance via Variation of Helical Wire Pitch”
Chen-Kuang Wang, Yu-Ting Huang, Ching-Wen Lo (National Chung Hsing University, Taiwan)

OS15-7: “Residual-Based Diffusion Model for High-Resolution Flow Field Reconstruction”
Golsa Tabe Jamaat (Tohoku University, Japan), Takayuki Okatani (Tohoku University / RIKEN Center for AIP, Japan), Yuji Hattori (Tohoku University, Japan)

OS16-3: “Nonlinear Dynamics and Turbulent Transition of a Helical Vortex Disturbed by the Short-wave Instabilities”
Daisuke Nishiyama, Yuji Hattori (Tohoku University, Japan)

OS19-5: “Three-Dimensional Numerical Simulation of Microchannel Taylor Bubble: Effects of Internal Flow Structures on Liquid Film Formation”
Daisuke Tsuneoka, Junnosuke Okajima (Tohoku University, Japan)

OS21-4: “Direct Ink Writing of Gradient Shear-Stiffening Elastomer for Enhanced Toughness and Impact Resistance”
Liping Gong (University of Wollongong, Australia), Chunyu Zhao (University of Science and Technology of China, China), Hongda Lu, Qingtian Zhang, Zexin Chen (University of Wollongong, Australia), Junjie Yang, Jinyu Yang, Shuaishuai Sun (University of Science and Technology of China, China), Haiping Du, Weihua Li (University of Wollongong, Australia)