

List of the young researcher competition in ISFV16

Young Researcher Competition1

Paper ID	Title	Competitors
ISFV16-1013	Numerical study on heat transfer characteristics of micro pin fins (Visualization of flow and temperature fields)(Tr10-2)	Naoko Matsumoto
ISFV16-1042	Visualization of turbulent heat transfer around an orifice plate in a water pipe flow using high-speed infrared thermography(Tr4-2)	Naoki Shiibara
ISFV16-1053	Characteristics Map of Droplet Impingement on a Smooth Sapphire Substrate (Tr5-2)	Choong Hyun Lee
ISFV16-1232	Multiscale modeling and simulation of biomolecule diffusion on the reaction field in micro bioanalysis device (Tr2-1)	Yuma Suzuki
ISFV16-1254	Quantitative and High-speed Measurement of Temperature Field by Phase-shifting Interferometer (Tr6-2)	Eita Shoji
ISFV16-1233	The Temperature Tracking Measurement for Hypersonic Flow in the Shock Tunnel based on TDLAS (Tr8-2)	Yi Jin
ISFV16-1146	Flow Visualization around Flame on Condensed Fuels in Low Gravity Environment (Tr2-1)	Hiroki Abe
ISFV16-1066	Quantitative Visualization of Transient Gas Flow from a Soap Bubble after Bursting (Tr6-2)	Do Gyun Kim
ISFV16-1079	Effects of a Radial Gap on Vortical Flow Structures around a Rotating Disk in a Cylindrical Casing (Tr10-2)	Shota Hara
ISFV16-1093	Observation and Analysis of Interactional Phenomena between Microbubbles and Underwater Shock Wave (Tr6-2)	Minoru Shioda
ISFV16-1097	Pore-Level Visualization of Imbibition and Drainage Processes (Tr5-2)	Arief Setiawan
ISFV16-1155	Experimental Study of Reduction of Shock Oscillation in Duct Flow Using Porous Cavity and Rods (Tr8-4)	Nao Kuniyoshi
ISFV16-1156	Three-Dimensional Dynamic Coherent Structures of Turbulent Swirling Premixed flame (Tr9-2)	Kozo Aoki
ISFV16-1157	Partial cavitation on a semi-circular leading-edge flat plate and NACA0015 hydrofoil: high-speed visualization and PIV measurements (Tr5-4)	Konstantin Pervunin

Paper ID	Title	Competitors
ISFV16-1159	Thinning and Break-down Behavior of Liquid Film under a Droplet Floating on the Mother Phase (Tr5-3)	Naru Fuyuki
ISFV16-1178	Experimental and computer modeling of 3D-visualisation's dynamics of optical rays' refraction in inhomogeneous mediums (Tr4-3)	Anastasia Vedyashkina
ISFV16-1196	Ensemble-Averaged Visualization of the Interannual Variability of Water Mass Dynamics for the Northwestern Pacific Ocean near Japan (Tr10-4)	Kun Zhao
ISFV16-1221	Flow boiling visualization and heat transfer of R245fa in a horizontal rectangular channel (Tr5-6)	Gholamreza Bamorovat
ISFV16-1243	2D CFD Study of Cross-Section Foils Performances in Cycling Aerodynamics (Tr10-4)	Hsi Wong
ISFV16-1260	Results of Numerical Analysis on Flow Field Around a Supersonic Parachutes and Pressure Change in the Canopy (Tr10-4)	Mirai Sueki
ISFV16-1291	Tomographic PIV Measurement of Turbulence Characteristics and Maximum Shear Stress in a Square-shaped Stirred Flow Mixer (Tr1-2)	Kazunao Takahashi
ISFV16-1302	Application of tomographic PIV to a laminar premixed flame (Tr1-2)	Leonid M. Chikishev

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Young Researcher Competition2

Paper ID	Title	Competitors
ISFV16-1010	An Image Processing Technique Development to Study The Characteristics of Gas-Liquid Plug Two-Phase Flow in a Horizontal Pipe (Tr12-2)	Akmal Irfan Majid
ISFV16-1016	Visualization Study of Interfacial Behavior of Stratified Gas-Liquid Two-Phase Flow in a Horizontal Pipe by Using Image Processing Technique (Tr12-2)	Hadiyan Y. Kuntoro
ISFV16-1020	Study of DC electric field on flame behavior and soot formation using PLII, PLIF, and mie scattering method in counterflow non-premixed flames (Tr9-1)	Dae Geun Park
ISFV16-1028	Shape and Behavior of CH ₄ /H ₂ /Air Premixed Flames on a Flat Burner (Tr9-1)	Toshiyuki Katsumi
ISFV16-1037	Bubble deformation responses in oscillatory shear at high dynamic capillary numbers (Tr5-5)	Yoshihiko Oishi
ISFV16-1038	Stochastic segmentation of individual human flow from heavy traffic scenes (Tr12-1)	Jie Xia
ISFV16-1039	Effect of the rolling angular velocity on particle distribution in a Rolling Circulating Fluidized Bed (Tr5-5)	Tong Zhao
ISFV16-1048	Generation of Underwater Shock Waves using Elastic Material Connected with Diaphragmless Shock Wave Generator (Tr5-6)	Jingzhu Wang
ISFV16-1051	Experimental Investigation on the Flow around a Circular Cylinder Controlled by Synthetic Jets (Tr1-5)	Liqun Ma
ISFV16-1052	Investigation of coherent structures in active flow control over a backward-facing step by PIV (Tr1-5)	Xingyu Ma
ISFV16-1054	On the role and effectiveness of streamwise vortices in leading-edge modified wings at low Reynolds numbers (Tr8-3)	Wei Zhaoyu
ISFV16-1060	Visualization of bubble motion in a horizontal channel using different surface conditions (Tr5-6)	Michihiro Goto
ISFV16-1062	Usage of Liquid Crystals for Shear Stress Diagnostics (Tr11-3)	Elena Shapoval
ISFV16-1067	Visualization study on behaviors of oscillating liquid bridge between two parallel plates with surface treatments (Tr5-3)	Dae Yeon Kim

Paper ID	Title	Competitors
ISFV16-1068	Colour surface-flow visualisation of three-dimensional, curved shock wave interactions with slender bodies at incidence(Tr8-5)	Shalan Hooseria
ISFV16-1094	Influence of Stroke Length on Synthetic Jet Vortex Rings Impinging onto the Wall (Tr11-3)	Xu Yang
ISFV16-1099	Evaluation of Cavitation in Injector Nozzle and Correlation with Liquid Atomization (Tr5-3)	Shora Shibata
ISFV16-1107	Real-time Global Magnetohydrodynamic Simulation and Visualization on Multi-GPUs (Tr10-3)	Un-Hong Wong
ISFV16-1145	Visualization of an Expansion Fan/Shock Wave Interaction (Tr8-5)	Lara Nel
ISFV16-1150	Visualizations of turbulence and heat transfer characteristics of turbulent premixed flames in a constant volume vessel(Tr9-2)	Basmil Yenerdag
ISFV16-1151	Visualization of near-wall eddy structures in surfactant-added drag-reducing turbulent pipe flows by dual-plane stereoscopic PIV (Tr7-2)	Shogo Ito
ISFV16-1154	Real-time Ray Tracing for CFD Visualization via NVIDIA iray (Tr10-3)	Un-Hong Wong