POSTERS

1	*Prediction of the flow statistics of air-water bubbly pipe flows using Convolutional Neural Networks (CNNs)*	**Minhoon Kang** Hyungmin Park Seoul National University
2	*Machine learning modeling of CFD-DEM coupled particles motion under non-linear magnetic field*	**Asif Afzal** Bernhard Peters Luxemburg University
3	*Evaluating Transfer Learning and Model Performance in Super-Resolution for Low-Resolution CFD Data Reconstruction*	**Mónica Crisitna Ferreira da Silva Filgueiras** L. Silva, J. Filgueiras, Z. Kokkinogenis, J.B.L.M. Campos, M.C. F Silva Transport Phenomena Research Center CEFT
4	*Design and Study of Energy Recovery System for Fuel Cell Vehicles with Low Temperature Difference*	**Bin LIU** Tiecheng WANG, Shangshuai JIA, Fan ZHANG CRRC Tangshan Co
5	*Flow field prediction around 2D bluff bodies*	**Christoforos Lefkiou** Foivos Koukouvinis, Sotiris Chatzis Cyprus University of Technology
6	*Complex-network analysis of high-frequency combustion instability in a single element combustor for liquid rocket engines*	**Takahiro Seshime** T. Haga, H. Gotoda,Y. Nabae,R. Kurose Tokyo University of Science
7	*Fine-tuning a foundation model on multiphase problems*	**Sahba Zehisaadat** Steffen J. Schmidt; Nikolaus A. Adams Technical University of Munich
8	*Enhanced Particle Detection in Granular Flows in Rotary-Drum Experiments using Graph Neural Networks (GNNs)*	**Jinyong Choi** Hyungmin Park Seoul National University
9	*Physics-informed neural networks to solve 1D laminar flames*	**Jiahao Wu** Jiayue Liu, Su Zhang, Yuxin Wu, Xin Li Tsinghua University
10	*Sparse Sensor Placement and Physics-Informed Neural Networks for Temperature and Velocity Fields Reconstruction in Axisymmetric Flames*	**Felipe Escudero** C. López, B. Herrmann, R. Demarco Universidad Técnica Federico Santa María
11	*Mode Analysis of Unsteady Flow in Centrifugal Pumps*	**Byungjin An** Szuyong Chen, Motohiko Nohmi EBARA Corporation
12	*Multiscale Online Prediction Method for Unsteady Pressure of an Axisymmetric Body with Ventilated Cavities*	**Tezhuan Du** Yipeng Li, Yiwei Wang, Rundi Qiu Institute of Mechanics Chinese Academy of Sciences
13	*Physics-Informed Intelligent Hydrodynamic Prediction Model for surface-piercing Hydrofoil*	**Renfang Huang** Yipeng Li, Renfang Huang, Yiwei Wang, Rundi Qiu Chinese Academy of Sciences
14	*Wide-Range Fluid Property Prediction via Fine-Tuned Neural Network Surrogates*	**Mohammadmahdi Nouri** Manolis Gavaises, Gabor Janiga, Ioannis Karathanassis Otto-von-Guericke-University Magdeburg, City St George University London
15	*Data-Driven Modeling of Wall Heat Flux for RANS Simulations in Multiphase Turbulent Jets Using Machine Learning.*	**Ricciardi Giovanni** Wilfried Edelbauer Gavaises Manolis AVL List GmbH
16	*Preliminary Study on Computational Methods for Fluid-Structure Interaction Based on Data Driven Approaches*	**Guannan Zheng** J S Liu, J Y Chen Institute of Mechanics Chinese Academy of Sciences