

OSBORNE REYNOLDS DAY 2024

POSTER PRESENTATIONS

Energy cascade of internal gravity waves in oceans
Saranraj Gururaj (University of Liverpool)

Turbulence and heat transfer in film cooling of gas turbines
Muting Hao (University of Oxford)

Boiling Heat Transfer and Two-Phase Flow Modelling using Physics-Informed Neural Networks
Darioush Jalili (University of Manchester)

Fluid Dynamics Unveiled: A SPH-Based FSI Platform for Exploring the Flow-structures in Heart Valves
Sumanta Laha (University of Manchester)

Understanding Combustion Fundamentals from Flame Behaviour to Autoignition and Detonation Transitions
Jinzhou Li (University of Leeds)

The subharmonic route to acoustic chaos revisited: the mechanism of broadband clearing in cavitation emissions
Hilde Metzger (University of Glasgow)

Experimental And Numerical Investigation of Mixing Miscible Liquids with High Viscosity Contrasts in Turbulently Stirred Vessels
Sorosh Mirfasihi (University of Manchester)

A Novel Turbomachine for Decarbonisation of High-Temperature Endothermic Chemical Processes: Accelerating Multiphysics Coupling
Dylan Rubini (University of Oxford)

Haemodynamic analysis of aortic arch repair using computational fluid dynamics
Sampad Sengupta (University of Manchester)

Plume-regolith interactions in lunar and Martian conditions
Senthilkumar Subramanian (University of Glasgow)

Hybrid design of natural convection cooling loop and solar filter for floating photovoltaic panels
Bayu Sutanto (University of Manchester)