

## International Workshop on Multiphase Flows: Analysis, Modelling and Numerics

Date		Speaker	Title
Jan. 10, 2025	13:00 – 13:50	Tsuyoshi Yoneda (Hitotsubashi University)	Effectiveness of Littlewood-Paley theory in the study of turbulence and machine learning
	13:50 – 14:10	Coffee Break	
	14:10 – 15:00	Yuki Ueda (Hokkaido University)	Survey and Application of Bayesian Inference to Inverse Problem
	15:00 – 15:20	Coffee Break	
	15:20 – 15:40	Zhixuan Xu (Nagoya University)	Analysis and numerical experiments of three approaches to solving linear system $ABx=b$ with sparse matrices A and B
	15:40 – 16:00	Yuta Koizumi (Waseda University)	Gevrey type error estimates of solutions to the Navier-Stokes equations
	17:00 –	Banquet	
Jan. 11, 2025	10:00 – 10:20	Yusaku Abe (Waseda University)	Study on individual polymer behavior inside porous media
	10:20 – 10:40	Takahiro Nakamura (Waseda University)	Space-Time Isogeometric Analysis for the Navier-Stokes-Cahn-Hilliard Equations
	11:00 – 11:20	Coffee Break	
	11:20 – 12:10	Katsunori Yoshimatsu (Nagoya University)	Large-scale structure and small-scale universality of passive scalar turbulence
	12:10 – 13:10	Lunch	
	13:10 – 14:00	Tomohiro Sogabe (Nagoya University)	Our Research on Numerical Linear Algebra