

# JOINT SEMINAR

between OIST and JST mathematics program on vortex-boundary interactions and wall-bounded turbulent flows

## Program



May 26th, Monday

10:00-10:15	<i>Opening Remarks (Takashi Sakajo &amp; Pinaki Chakraborty)</i>	
10:15-10:45	<b>Akio Nakahara</b> (Nihon University)	Memory effect of granular-fluid mixture and its visualization as desiccation crack patterns
11:00-12:00	<b>Pinaki Chakraborty</b> (OIST)	Turbulent soap-film flow
	<b>Gustavo Gioia</b> (OIST)	The turbulent mean-velocity profile in pipe flow
12:00-12:30	<i>Fluid Mechanics-Continuum Physics Lab visit-1 (5 people)</i>	
12:30-14:00	<i>Lunch</i>	
14:00-15:15	<b>Takashi Sakajo</b> (Kyoto University)	Towards a paradigm shift via mathematics of vortex-boundary interactions - an overview
	<b>Zin Arai</b> (Hokkaido University)	Combinatorial decomposition of flow structures
	<b>Takashi Ishihara</b> (Nagoya University)	Vortical structures in high Reynolds number turbulence
15:30-16:00	<b>Rhodri Nelson</b> (Kyoto University)	Robustness of point vortex equilibria in the vicinity of a Kasper Wing
16:00-16:30	<b>Tomoo Yokoyama</b> (Kyoto University of Education)	Transitions of streamline topologies between structurally stable incompressible flows in multiply connected domains
16:30-17:00	<i>Fluid Mechanics-Continuum Physics Lab visit-2 (5 people)</i>	