

TSFP12 Program Overview (Tentative, as of April 23)

Notes

- All time is in Japan Standard Time (JST = UTC+8). **Session names (especially, numbers) are tentative.**
- Keynote lectures are given in real-time online. No pre-recorded video is provided.
- General presentations are made with pre-recorded videos (10-12 minutes). The details on the video (preparation and upload) will be informed to the authors by the end of May.
- In each presentation slot, the video is played real-time by the organizer, followed by a live discussion. Therefore, the presenters are advised to be present online at their session as much as possible.
- The pre-recorded videos will also be made available via the registrant zone of the NTA website for non-real-time view.

Tuesday, July 19, 2022

Time / Room	Room 1	Room 2	Room 3	Room 4	Room 5
8:00-8:50	Kasagi Award Lecture (Room 1): Dennice Gayme (Johns Hopkins University, USA), A Coherent Structure Based Approach to Modeling Wall-bounded Turbulence				
9:00-10:30	Boundary Layer 1	Heat and Mass Transfer 2	Instability and Transition 1	Multiphase Flows 1	Separation 1
10:45-12:15	Boundary Layer 2	Heat and Mass Transfer 3	Instability and Transition 2	Multiphase Flow 2	Separation 2
(12:15-14:00)	Break				
14:00-15:30	Boundary Layer 4	Heat and Mass Transfer 1	Instability and Transition 3	Complex Flows	Separation 3
15:45-17:15	Boundary Layer 3	Heat and Mass Transfer 4	Instability and Transition 4		

Wednesday, July 20, 2022

Time / Room	Room 1	Room 2	Room 3	Room 4	Room 5
8:40-9:20	Invited Lecture 1 (Room 1): Prof. Makoto Tsubokura (Kobe University, Japan), Turbulence Simulation on Massively Parallel Environments toward				
9:30-11:00	Boundary Layer 5	Control 1	Instability and Transition 5	Applications 1	Acoustics 1
11:15-12:45	Boundary Layer 6	Control 2	Instability and Transition 6	Applications 2	Acoustics 2
(12:45-14:00)	Break				
14:00-15:30	Boundary Layer 7	Control 3	Instability and Transition 7	Applications 3	Measurement Techniques
15:40-16:20	Invited Lecture 2 (Room 1): Prof. Michael Wilczek (University of Bayreuth, Germany), Statistics and Geometry of Lagrangian Turbulence				
16:30-18:15	Boundary Layer 8	Control 4	Magnetic and Reacting Flows	Applications 4	Fundamentals 1

Thursday, July 21, 2022

Time / Room	Room 1	Room 2	Room 3	Room 4	Room 5
8:00-8:40	Invited Lecture 3 (Room 1): Prof. Pino Martin (University of Maryland, USA), Reduced Order Model for Low-frequency Dynamics Inshock Separated Flow				
8:40-9:20	Invited Lecture 4 (Room 1): Prof. Tamer Zaki (Johns Hopkins University, USA), Observation-Infused Simulations of Turbulence				
9:30-11:00	Closure 1	Control 5	Bio-flows 1	Environmental Flows 1	Compressible Flows 1
11:15-12:45	Closure 2	Machine Learning 4	Bio-flows 2	Environmental Flows 2	Compressible Flows 2
(12:45-14:00)	Break				
14:00-15:30	Rough Boundary Layer 1	Machine Learning 1	Jets 1	Environmental Flows 3	Compressible Flows 3
15:45-17:15	Rough Boundary Layer 2	Machine Learning 2	Jets 2	Environmental Flows 4	Wakes 1

Friday, July 22, 2022

Time / Room	Room 1	Room 2	Room 3	Room 4	Room 5
8:00-8:40	Invited Lecture 5 (Room 1): Prof. Bharath Ganapathisubramani (University of Southampton, UK), Turbulent Flows over Heterogeneous Rough Surfaces				
9:30-11:00	Rough Boundary Layer 3	Machine Learning 3	Jets 3	Fundamentals 2	Wakes 2