

スーパーグローバル大学創成支援 早稲田大学 数物系科学拠点
Mathematics and Physics Unit "Multiscale Analysis, Modeling and Simulation"
Top Global University Project, Waseda University
Waseda University Top Global University Project (TGU) Symposium Series

International Workshop on Multiphase Flows: Analysis, Modelling and Numerics

Waseda University, Tokyo, Japan December 4–6, 2023
Seminar Room (1F), Bldg. 40, Green Computing Systems, Kikuicho Campus

Program

	Dec 4 (Mon)	Dec 5 (Tue)	Dec 6 (Wed)	
9:50 10:00	Opening Remarks Kenji Takizawa (Waseda Univ)			
10:00 10:50	① Tayfun E. Tezduyar (Rice Univ/Waseda Univ)			
Coffee Break				
11:00 11:50	② Yuto Otaguro (Tokyo Univ of Science)	⑤ John A. Evans (Univ of Colorado Boulder)	John A. Evans	
Lunch Break				
13:00 13:50	③ Jinhui Yan (Univ of Illinois Urbana-Champaign)	Artem Korobenko	Jinhui Yan	
Cofee Break				
14:00 14:50	Reika Fukuizumi (Waseda Univ)	Takahito Kashiwabara (Tokyo Univ)	Ionut Danaila (Univ de Rouen Normandie)	
Cofee Break				
15:00 15:15	Yasutoshi Taniguchi (Waseda Univ)	Takahiro Nakamura (Waseda Univ)	15:00 15:50	Karel Svadlenka (Tokyo Metropolitan Univ)
15:15 15:30	Takahiro Ushioku (Waseda Univ)	JouChun Kuo (Waseda Univ)		
15:30 15:45	Shohei Mikawa (Waseda Univ)	Zhaojing Xu (Waseda Univ)		
15:45 16:00	Masahiro Adachi (Waseda Univ)			
18:00				
		Banquet		

● ...Tutorial type lecture (50 minutes) ● ...50-minutes lecture
● ...Short presentation (20 minutes)

Tutorial-Type Lecture

- ① **"Computation of Flows With Moving Boundaries and Interfaces: Residual-Based Stabilized Methods and Space-Time Framework"**
Tayfun E. Tezduyar (Rice Univ/Waseda Univ) [Website](#) [Youtube](#)
- ② **"Space-Time Computational Flow Analysis with Isogeometric Discretization Over Complex Geometries"**
Yuto Otaguro (Tokyo Univ of Science) [Website](#)
- ③ **"Two-Phase Flows: Recent Method Advances and Contemporary Engineering Applications"**
Jinhui Yan (Univ of Illinois Urbana-Champaign) [Website](#)
- ④ **"Finite Element Methods for Fluid Mechanics: Cavitation Modeling for Marine Engineering Applications"**
Artem Korobenko (Univ of Calgary) [Website](#)
- ⑤ **"Isogeometric Divergence-Conforming B-splines"**
John A. Evans (Univ of Colorado Boulder) [Website](#)