

Water on Materials Surface 2018 (WMS2018)

Program

Day	time	Name	Organization		Presentation title	
Day 1 (25th July, Wed)	12:00	Opening				
	13:10-13:30	Opening remarks	Hiroharu Yui	W-FST Center (TUS)	Chair	Introduction of W-FST(TUS) and WMS2018 announcement
	13:30-14:15	Pattern	Diwakar Venkatesan	Jawaharlal Nehru Center for Advanced Scientific Research, India	Invited	Evolution of interfacial instabilities in confined systems
	14:15-14:40		Yutaka Sumino	W-FST Center & I2plus(TUS)	Contributed	Dynamic and repetitive interfacial motion induced by formation of surfactant aggregates
	14:40-15:10	Coffee break				
	15:10-15:55	Wetting	Lizhong Mu	Dalian University of Technology, China	Invited	Acceleration of macroscopic contact line of a droplet spreading on a smooth substrate due to an interaction with a tiny spherical particle
	15:55-16:20		Ken Yamamoto	I2plus (TUS)	Contributed	Roughness and hydrophobicity: how is liquid interface pinned and depinned?
	16:30-18:00	Welcome reception (w/ poster)				
	18:00	Adjournment				

	8:45	Opening				
	9:10-9:30	Introduction & announcer	Hiroharu Yui	W-FST Center (TUS)	Chair	Introduction of W-FST(TUS) and WMS2018 announcement
	9:30-10:30	Plenary Lecture #1	Yoichiro Matsumoto	President, Tokyo University of Science(TUS)	Contributed	Multiscale dynamics of rising bubbles in water
	10:30-10:40	Break				

Day 2
(26th
July, Thu)

10:40-11:25	Flow	Charles Baroud	Ecole Polytechnique, France	Invited	Cell manipulation in microfluidic platform: Single cell studies and 3D cultures
11:25-11:50		Masahiro Motosuke	W-FST Center & I2plus(TUS)	Contributed	Controlled interfacial flow: principle and its potential future
11:50-13:20	Poster Session (Luncheon)				
13:20-14:05	Phase	Georg Dietze	Universite Paris-Sud	Invited	Heat transfer enhancement in wavy falling liquid films
14:05-14:30		Ichiro Ueno	W-FST Center & I2plus(TUS)	Contributed	Fluid Dynamics in the vicinity contact line on solid substrate
14:30-15:00	Coffee Break				
15:00-15:45	Dynamics	Samy Merabia	Université Claude Bernard Lyon I, CNRS, France	Invited	Modeling interfacial transport at solid/water interfaces: from friction to nanoscale heat transfer
15:45-16:30		Robert W. Carpick	University of Pennsylvania, USA	Invited	The effect of water on nanoscale contact and friction
16:30-16:55		Shinya Sasaki	W-FST Center (TUS)	Contributed	The role of water in tribology
17:00-17:15	Group Photo				
17:30-19:00	Poster Session (Banquet)				
19:00	Adjournment				

8:45	Opening				
9:10-9:30	Introduction & announcer	Hiroharu Yui	W-FST Center (TUS)	Chair	Introduction of W-FST(TUS) and WMS2018 announcement
9:30-10:30	Plenary Lecture #2	Yoshikazu Homma	W-FST Center & Division of Nanocarbon Research(TUS)	Contributed	Water in Nanospace

Day 3
(27th
July, Fri)

10:30-10:40	Break				
10:40-11:25	Nanospace	Geoff Thronton	University College London,UK	Invited	Contact layer structure and electronic properties of the interface between titanium oxides and water
11:25-12:00		Haruka Kyakuno	Kanagawa University, Japan	Invited	Water confined inside carbon nanospace
12:00-13:30	Poster Session (Luncheon)				
13:30-14:05	Surface	Ken-ichiro Murata	Hokkaido University, Japan	Invited	Why is the surface of ice wet?
14:05-14:40		Jun Nakamura	The University of Electro-Communications(UEC), Japan	Invited	Formation of Water Layer on Graphene Surfaces
14:40-15:15		Yuki Araki	Kyoto University, Japan	Invited	Molecular-scale visualization of hydration structure by FM-AFM
15:15-15:45	Coffee break				
15:45-16:30	Interface	Kazue Kurihara	Tohoku University, Japan	Invited	Interfacial water studied by surface forces measurement
16:30-16:55		Tadashi Ando	W-FST Center (TUS)	Contributed	On the importance of hydrodynamic interactions in lipid membrane self-assembly
16:55-17:20		Hideki Sakai	W-FST Center & Division of Colloid and Interface Science(TUS)	Contributed	Effect of water on interfacial properties and phase behaviors of ionic liquids
17:30-18:00	Closing remarks & Poster awards				
18:00	Adjournment				