

Day 1	2026-08-11					
Session#	Time	Session Title (tentative)	Chair	Speaker	Title	Type
	8:50-9:00	Welcome and opening remarks				Opening
1-1	9:00-09:45	Anti-X (icing/biofouling)	Atsushi Hozumi	Dimos Poulidakos	The physics of droplet freezing on nanoarchitected surfaces	Keynote
	Guojun Liu			Biomimetic Hydration-Stabilized Polymer Brush Interfaces for Ultra-Low Ice Adhesion	Regular	
	Anish Tuteja			Novel Ice-Shedding Surfaces	Invited	
	Jinju Chen			Antibiofilm Efficacy of Bio-inspired Slippery Surfaces in Dynamic and Static Culture Conditions	Regular	
	10:45-11:15	COFFEE BREAK				
1-2	11:15-11:45	Nature Inspired Seperations	Glen McHale	Xu HOU	Bioinspired Multiscale Pore/Channel Systems	Invited
	Cornelia Palivan			Controlled attachment of responsive nano-assemblies induces functionality on hybrid membrane surfaces	Regular	
	Lifeng Yan			Biomimetic Reconstruction of Plant Cell Wall–Inspired All-Lignocellulosic Composite Membranes via Sustainable Protonic Ionic Liquid Processing	Invited	
	12:30-13:30	LUNCH				
	13:30-14:15	POSTER				
1-3	14:15-14:45	Biomimetic applications	Hyomin Lee	Dong Woog Lee	Biomimetic Catechol Binders as Interfacial Anchors in Batteries	Invited
	Yimin Wu			Bioinspired cascade photocatalysis for upcycling plastics into vinegar under sunlight	Regular	
	Robin Ras			Making and measuring the most slippery water-repellent surfaces	Invited	
	Jungki Ryu			Engineering Wettability to Control Gas Dynamics in Electrochemical Energy Devices	Regular	
	Akira Saito			Optical diffusers inspired by Morpho butterfly’s optical properties	Invited	
	16:15-16:35	COFFEE BREAK				
1-4	16:35-17:05	Self-healable surfaces	Akira Saito	Sepideh Khodaparast	Taming Crystallisation for Regenerating Functional Epicuticular Interfaces	Invited
	Atsushi Hozumi			Bio-inspired Transparent Superhydrophilic Coatings	Regular	
	Himanshu Mishra			Water–Hydrophobe Interfaces: From Debunking Myths to Enabling Global Food–Water–Climate Resilience	Invited	
	Lauren ZARZAR			Structural colors from multi-reflection interference in microstructures	Invited	
Day 2	2026-08-12					
Session#	Time	Session Title (tentative)	Chair	Speaker	Title	Type
	8:55-9:00	Welcome and daily update				Opening
2-1	9:00-09:45	Nature inspired wetting surfaces	Guojun Liu	Boxin Zhao	From Gecko Feet to Coral Reefs: Bioadhesion Mechanisms as a Design Principle for Soft Matter Engineering	Keynote
	Glen McHale			Static and Kinetic Droplet Friction on Liquid-like Surfaces	Regular	
	Maria Mosquera			Beyond the Lotus Effect: Exploring Self-Cleaning Superhydrophilic Structures inspired by Fish-Scales	Invited	
	10:30-11:00	COFFEE BREAK				
2-2	11:00-11:30	Robust water repellency	Jungki Ryu	Kevin Golovin	Grafted polydimethylsiloxane chains as a replacement for perfluoroalkyl substances	Invited
	Youhua Jiang			Surface-Coating Decoupling for New Superhydrophobic Surfaces	Regular	
	Junping Zhang			Robust superhydrophobic coatings and their applications	Invited	
	12:15-13:15	LUNCH				

2-3	13:15-14:15	Nature inspired droplet manipulation	Dong Woog Lee	POSTER			
	14:15-14:45			Pavel Levkin	Three-dimensional shaping of gas-liquid interfaces	Invited	
	14:45-15:00			Yuhan Liu	Biomimetic Omniphobic Reentrant Structures Processed by Femtosecond Laser Machining	Regular	
	15:00-15:30			Anderson Ho Cheung Shum	Assembly and Processes along All-Aqueous Interfaces	Invited	
	15:30-15:45			Jaime Colchero	Key to wetting studies: chemical and morphological variability at the nanoscale as visualized by Atomic Force Microscopy	Regular	
	15:45-16:15			Hyomin Lee	Nature-Inspired Microstructured Nonwetting Architectures for Transparent Antifogging Surfaces	Invited	
	16:15-16:45	COFFEE BREAK					
2-4	16:45-17:15	Droplet impacting / evaporation / directional wetting	Kevin Golovin	Peichun Amy Tsai	Complex Droplet Wetting and Impact on Structured Surfaces	Invited	
	Gregory Brock			Directional Wetting Via Femtosecond Laser Machined Nepenthes-Inspired Microstructures	Regular		
	Clarissa Schonecker			A concept and proof-of-principle for a microstructured surface converting a vertical temperature into horizontal fluid motion	Regular		
	17:45-18:00	GROUP PHOTO					
	18:30-21:00	BANQUET (Hart House)					
Day 3	2026-08-13						
Session#	Time	Session Title (tentative)	Chair	Speaker	Title	Type	
	8:55-9:00	Welcome and daily update					Opening
3-1	9:00-09:30	Nature inspired adhesion	Clarissa Schonecker	Jonathan Wilker	From the Sea to Sustainability: Development of Next Generation Adhesives	Invited	
	Salvio Suarez-Garcia			Mussel-Inspired Surface Engineering of Multifunctional Catechol Polymers for Health and Sustainability	Regular		
	Abhinav Naga			When and how particles are removed by drops	Regular		
	10:00-10:30	COFFEE BREAK					
3-2	10:30-11:00	Nature Inspired Structures	Sanghyuk Wooh	Abdul Shakoor	Bio-inspired Self-reporting and Self-healing Composite Coatings for Advanced Corrosion Protection	Invited	
	Willem Noorduyn			Autonomous Patterning and Transformation: Nature-Inspired Routes to Functional Surfaces	Invited		
	Sami Khan			Mass Transfer Enhancement in Continually Replenished Bio-Inspired Aerophilic Surfaces	Regular		
	11:45-12:00	AWARD CEREMONY					