

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	
	9:45-10:00			Novel Ice-Shedding Surfaces	Invited	
	10:00-10:30					
	10:30-10:45					Jinju CHEN
	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 G. PALIVAN			Controlled attachment of responsive nano-assemblies induces functionality on hybrid membrane surfaces	Regular	
	11:45-12:00			Lifeng Yan	Biomimetic Reconstruction of Plant Cell Wall–Inspired All-Lignocellulosic Composite Membranes via Sustainable Protonic Ionic Liquid Processing	Invited
	12:00-12:30					
	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 A. WU			Bioinspired cascade photocatalysis for upclying plastics into vinegar under sunlight	Regular	
	14:45-15:00			Robin RAS	Making and measuring the most slippery water-repellent surfaces	Invited
	15:00-15:30			Jungki RYU	Engineering Wettability to Control Gas Dynamics in Electrochemical Energy Devices	Regular
	15:30-15:45			Akira SAITO	Optical diffusers inspired by Morpho butterfly’s optical properties	Invited
	15:45-16:15					
	16:15-16:35	COFFEE BREAK				
1-4	16:35-17:05	Self-healable surfaces	Akira SAITO	Sepideh KHODAPARAST	Exhibiting Rapid and Repeatable Self-healing Properties	Invited
	Atsushi Hozumi			Bio-inspired Transparent Superhydrophilic Coatings	Regular	
	17:05-17:20			Himanshu MISHRA	Water–Hydrophobe Interfaces: From Debunking Myths to Enabling Global Food–Water–Climate Resilience	Invited
	17:20-17:50					
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
	Sirshendu MISRA			Lubricated Bicontinuous Porous Composites (LuBiCs): Capillarity-Driven Self-Recovering Slippery Surfaces with Exceptional Outdoor Durability	Regular	
				Maria J_Mosquera	Beyond the Lotus Effect: Exploring Self-Cleaning Superhydrophilic Structures inspired by Fish-Scales	Invited
	10:00-10:30					
	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	
	11:30-11:45			Junping ZHANG	Robust superhydrophobic coatings and their applications	Invited
	11:45-12:15					

	12:15-13:15	LUNCH				
	13:15-14:15	POSTER				
2-3	14:15-14:45	ature inspired droplet manipulation	Dong Woog LEE	Pavel A. Levkin	Three-dimensional shaping of gas-liquid interfaces	Invited
	Yuhan LIU			Biomimetic Omniphobic Reentrant Structures Processed by Femtosecond Laser Machining	Regular	
	Anderson Ho Cheung SHUM			Assembly and Processes along All-Aqueous Interfaces	Invited	
	Jaime Colchero			Key to wetting studies: chemical and morphological variability at the nanoscale as visualized by Atomic Force Microscopy	Regular	
	Hyomin Lee			Nature-Inspired Microstructured Nonwetting Architectures for Transparent Antifogging Surfaces	Invited	
	15:45-16:15					
	16:15-16:45	COFFEE BREAK				
2-4	16:45-17:15	mpacting / evaporation / directional	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	
	Parth PATIL			Evaporation of Oil-Cloaked Sessile Droplets	Regular	
	17:45-18:10	GROUP PHOTO				
	20:00-22:00	GROUP DINNER				
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	arissa SCHÖNECKE	Jonathan WILKER	From the Sea to Sustainability: Development of Next Generation Adhesives	Invited
	Salvio SUÁREZ-GARCÍA			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	Tribology / friction by droplets	TBA	R.A. Shakoor	Bio-inspired Self-reporting and Self-healing Composite Coatings for Advanced Corrosion Protection	Invited
	Vasily RUBLEV			A Biomimetic Approach Sustainable Lubrication: Water Based Lubrication Using Fungal & Chitosan	Regular	
	Glen McHALE			Static and Kinetic Droplet Friction on Liquid-like Surfaces	Regular	
	11:30-13:00	LUNCH				
	13:00-14:00	POSTER				
3-3	14:00-14:30	Nature Inspired Structures	Sanghyuk Wooh	Lauren ZARZAR	Structural colors from multi-reflection interference in microstructures	Invited
	Clarissa SCHÖNECKER			A concept and proof-of-principle for a microstructured surface converting a vertical temperature into horizontal fluid motion	Regular	
	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	
	15:15-15:30					
	15:30-16:00	AWARD CEREMONY				