

Colour	Type	No:
Red:	Keynote	3
Green:	Invited	18
Black:	Regular	22

Day 1, Wednesday Nov. 20th, 2024						
9:00-9:15	Welcome and opening remarks (Chang-Hwan Choi)					
9:15-10:45	AM 1.1 - Nature inspired surface functions (Chang-Hwan Choi)	Elena	Ivanova	Shedding light on the interfaces of biomimetic nanostructured surfaces		
		Louise	Burdin	Wetting features of butterflies Morpho peleides and anti-icing behavior		
		Benjamin	Hatton	Bio-inspired Surfaces to Limit Microbe and Parasite Attachment		
		Victoria	Fernandez	Plant surfaces can be chemically heterogeneous		
10:45-11:15	COFFEE					
11:15-13:00	AM 1.2 - Materials (Atsushi Hozumi)	Cornelia	Palivan	Functional surfaces by combining soft membranes with catalytic nanocapsules and biomolecules		
		Daniel	Ruiz	Bioinspired polyphenol-based biointerfaces		
		Glen	McHale	Transforming an Auxetic Metamaterial into a Superhydrophobic Surface		
		Sushanta	Mitra	Magic at Interfaces: Fundamentals & Applications		
13:00-14:00	LUNCH					
14:00-15:00	POSTER					
15:00-16:15	PM 1.3 - Optical effects (Cornelia Palivan)	Bodo	Wilts	Growth and function of optical materials of insects		
		Kuniharu	Ijiro	Stimuli-responsive Plasmonic Nanostructure for Surface Enhanced Raman Scattering		
		Tao	Han	Hierarchically manufactured cellulose photonic paper with programmable plasmonic gratings		
16:15-16:35	COFFEE					
16:35-17:50	PM 1.4 - Colloidal/crystalline materials (Anne Kietzig)	Nicolas	Vogel	Colloidal self-assembly as a tool to create functional surface patterns		
		Parth Sunil	Patil	Breath Figure Growth on Liquids		
		Syuji	Fujii	Biomimetic materials based on particles adsorbed at air-water interface		
Day 2, Thursday Nov. 21st, 2024						
9:00-9:15	Welcome and daily update					
9:15-10:30	AM 2.1 - Water harvesting (Glen McHale)	Jonathan	Boreyko	Plant-Inspired Water Harvesting		
		Mohammad	Soltaniayan	Nature-inspired surface for simultaneously harvesting water and triboelectric energy from ambient humidity using polymer brush coatings		
		Alexandre	Epalle	Numerical study of rolling off droplet on metallic thread for water harvesting applications		
		Shirin	Alexander	Nature inspired water harvesting 3D printed substrates for arid regions		
10:30-11:00	COFFEE					
11:00-13:00	AM 2.2 - Nature inspired flow surfaces (Chang-Hwan Choi)	David	Quééré	How small creatures exploit capillarity		
		Kaare Hartvig	Jensen	Fluid-structure interactions in plant vascular flows		
		Constantine	Megaridis	Surface Wettability Engineering: From Microfluidics to Thermal Management of Electronics		
		Dongmin	Shin	Effect of extraction/separation of cobalt from cobalt-nickel mixed solution using Cyanex 272-impregnated alumina filter		
13:00-14:00	LUNCH					
14:00-15:00	POSTER					
15:00-16:30	PM 2.3 - Slippery surfaces (Anne Kietzig)	Pierre	Colinet	Enhanced Spreading on Superhydrophilic Textured Substrates		
		Atsushi	Hozumi	Surprising Water Sliding Properties Even on Statically Very Hydrophilic Surfaces		
		Zhichao	Dong	Liquid overflow and drainage on biomimetic surface structures		
		Vincent	Thomy	Infused textured polymer surface withstands harsh environment		
16:30-16:50	COFFEE					

16:50-18:05	PM 2.4 - Drop interaction with surfaces (Anne Kietzig)	Sunghwan	Jung	Raindrop impact on biological and bio-inspired surfaces					
		Rodrigo	Ledesma	Droplets on Patterned Liquid Surfaces					
		Schon Gabriel	Fusco	Laser speckle analysis of drying complex fluid drops on static and vibrated superhydrophobic surfaces					
		Amey Niti	Agharkar	Effect of Substrate Temperature on Pattern Formation of bacteria-laden droplets and its relation to pathogenesis					
18:05-18:15	GROUP PHOTO								
20:00-22:00	<b>Group Dinner</b>								
<b>Day 3, Friday November 22nd, 2024</b>									
9:00-10:45	AM 3.1 - adhesion / friction (Chang-Hwan Choi)	Stanislav	Gorb	From the fly foot to the snake skin: adhesive and frictional phenomena on animal surfaces					
		Oliver	Dubnack	Mechano-responsive wetting of laser-structured PDMS surfaces					
		Maria	Caruso	Antifouling and anti-friction reduction ceramic-based coating					
		Gi-Ra	Yi	Biodegradable Nanoparticles as Biomedical Adhesives					
10:45-11:15	COFFEE								
11:15-13:00	AM 3.1 - adhesion / friction (cont.) (Glen McHale)	Sanghyuk	Wooh	Particle Adhesion on Thin Liquid Layer					
		Ali	Dhinojwala	Role of Water in Underwater Adhesion					
		Sushant	Anand	Cold Truths - Exploring Ice Formation and Adhesion on surfaces					
	AM 3.2 - ice-nucleation (Glen McHale)	Nicolò	Di Novo	Dynamic Contact Angles Effect on Single Droplet Self-Ejection Velocity and Applications					
		Matteo	Omilli	Structured surfaces for anti-frosting and dew harvesting					
13:00-14:00	LUNCH								
14:00-15:00	POSTER								
15:00-16:30	AM 3.3 - anti-icing (Ali Dhinojwala)	Julian	Carolan	Anti-icing properties of polar bear hair					
		Guojun	Liu	NP-GLIDE Coating for Anti-Smudge and Ice-Shedding Applications					
		Alessandro	Corozzi	Ice Control through SLIPS Technology and the ICELESS Project					
		Anne	Kietzig	Penguin inspired ice-shedding					
16:30-16:50	COFFEE								
16:50-17:15	<b>AWARD CEREMONY</b>								