

Day 1, Wednesday (November 20, 2024)

Time	Session (Chair)	Abstract Title	Presenter
8:30-9:00 am	Registration		
9:00-9:15 am	Opening and Welcoming Remarks (Chang-Hwan Choi & Miguel Angel Rodriguez Valverde)		
9:15-10:00 am	Nature Inspired Surface Functions (Chang-Hwan Choi)	(Keynote) Shedding light on the interfaces of biomimetic nanostructured surfaces	Elena Ivanova
10:00-10:15 am		Wetting features of butterflies Morpho peleides and anti-icing behavior	Louise Burdin
10:15-10:30 am		Bio-inspired surfaces to limit microbe and parasite attachment	Benjamin Hatton
10:30-10:45 am		Plant surfaces can be chemically heterogeneous	Victoria Fernandez
10:45-11:15 am	Coffee Break		
11:15-11:45 am	Materials (Atsushi Hozumi)	(Invited) Functional surfaces by combining soft membranes with catalytic nanocapsules and biomolecules	Cornelia Palivan
11:45-12:15 pm		(Invited) Bioinspired polyphenol-based biointerfaces	Daniel Ruiz
12:15-12:30 pm		Transforming an auxetic metamaterial into a superhydrophobic surface	Glen McHale
12:30-1:00 pm		(Invited) Magic at interfaces: Fundamentals & applications	Sushanta Mitra
1:00-2:00 pm	Lunch		
2:00-3:00 pm	Poster Session		
3:00-3:30 pm	Optical Effects (Cornelia Palivan)	(Invited) Growth and function of optical materials of insects	Bodo Wilts
3:30-4:00 pm		(Invited) Stimuli-responsive Plasmonic Nanostructure for Surface Enhanced Raman Scattering	Kuniharu Ijiro
4:00-4:15 pm		Hierarchically manufactured cellulose photonic paper with programmable plasmonic gratings	Tao Han
4:15-4:45 pm	Coffee Break		
4:45-5:15 pm	Colloidal/Crystalline Materials (Anne Kietzig)	(Invited) Colloidal self-assembly as a tool to create functional surface patterns	Nicolas Vogel
5:15-5:30 pm		Breath figure growth on liquids	Parth Sunil Patil
5:30-6:00 pm		(Invited) Biomimetic materials based on particles adsorbed at air-water interface	Syuji Fujii

Day 2, Thursday (November 21, 2024)

Time	Session	Abstract Title	Presenter
9:00-9:15 am	Daily Update (Chang-Hwan Choi)		
9:15-9:45 am	Water Harvesting (Glen McHale)	(Invited) Plant-Inspired Water Harvesting	Jonathan Boreyko
9:45-10:00 am		Nature-inspired surface for simultaneously harvesting water and triboelectric energy from ambient humidity using polymer brush coatings	Mohammad Soltaniayan
10:00-10:15 am		Numerical study of rolling off droplet on metallic thread for water harvesting applications	Alexandre Epalle
10:15-10:30 am		Nature inspired water harvesting 3D printed substrates for arid regions	Shirin Alexander
10:30-11:00 am	Coffee Break		
11:00-11:45 am	Nature Inspired Flow Surfaces (Miguel Angel Rodriguez Valverde)	(Keynote) How small creatures exploit capillarity	David Quéré
11:45-12:15 pm		(Invited) Fluid-structure interactions in plant vascular flows	Kaare Hartvig Jensen
12:15-12:45 pm		(Invited) Surface wettability engineering: From microfluidics to thermal management of electronics	Constantine Megaridis
12:45-1:00 pm		Effect of extraction/separation of cobalt from cobalt-nickel mixed solution using Cyanex 272-impregnated alumina filter	Dongmin Shin
1:00-2:00 pm	Group Photo & Lunch		
2:00-3:00 pm	Poster Session		
3:00-3:30 pm	Slippery Surfaces (Anne Kietzig)	(Invited) Enhanced spreading on superhydrophilic textured substrates	Pierre Colinet
3:30-3:45 pm		Surprising water sliding properties even on statically very hydrophilic surfaces	Atsushi Hozumi
3:45-4:15 pm		(Invited) Liquid overflow and drainage on biomimetic surface structures	Zhichao Dong
4:15-4:30 pm		Infused textured polymer surface withstands harsh environment	Vincent Thomy
4:30-4:45 pm	Coffee Break		
4:45-5:15 pm	Drop-Surface Interactions (Javier Montes)	(Invited) Raindrop impact on biological and bio-inspired surfaces	Sunghwan Jung
5:15-5:30 pm		Droplets on Patterned Liquid Surfaces	Rodrigo Ledesma
5:30-5:45 pm		Laser speckle analysis of drying complex fluid drops on static and vibrated superhydrophobic surfaces	Schon Gabriel Fusco
5:45-6:00 pm		Effect of substrate temperature on pattern formation of bacteria-laden droplets and its relation to pathogenesis	Amey Niti Agharkar
8:00-10:00 pm	Banquet (Carmen de la Victoria, Carretera del Chapiz 9, Albaicín, 18010 Granada)		

Day 3, Friday (November 22, 2024)

Time	Session	Abstract Title	Presenter
8:45-9:00 am	Daily Update (Chang-Hwan Choi)		
9:00-9:45 am	Adhesion/Friction (Chang-Hwan Choi)	(Keynote) From the fly foot to the snake skin: adhesive and frictional phenomena on animal surfaces	Stanislav Gorb
9:45-10:00 am		Mechano-responsive wetting of laser-structured PDMS surfaces	Oliver Dubnack
10:00-10:15 am		Antifouling and anti-friction reduction ceramic-	Maria Caruso
10:15-10:45 am		(Invited) Biodegradable nanoparticles as biomedical adhesives	Gi-Ra Yi
10:45-11:15 am	Coffee Break		
11:15-11:30 am	Adhesion/Friction (Miguel Fernandez)	Particle adhesion on thin liquid layer	Sanghyuk Woo
11:30-12:00 pm		(Invited) Role of water in underwater adhesion	Ali Dhinojwala
12:00-12:30 pm	Ice Nucleation (Miguel Fernandez)	(Invited) Cold truths - Exploring ice formation and adhesion on surfaces	Sushant Anand
12:30-12:45 pm		Dynamic contact angles effect on single droplet self-ejection velocity and applications	Nicolò Di Novo
12:45-1:00 pm		Structured surfaces for anti-frosting and dew harvesting	Matteo Omilli
1:00-2:00 pm	Lunch		
2:00-3:00 pm	Poster Session		
3:00-3:15 pm	Anti-Icing (Ali Dhinojwala)	Anti-icing properties of polar bear hair	Julian Carolan
3:15-3:45 pm		(Invited) NP-GLIDE coating for anti-smudge and ice-shedding applications	Guojun Liu
3:45-4:00 pm		Ice control through SLIPS technology and the ICELESS project	Alessandro Corozzi
4:00-4:30 pm		(Invited) Penguin inspired ice-shedding	Anne Kietzig
4:30-5:00 pm	Coffee Break (Take down posters)		
5:00-5:30 pm	Award Ceremony & Closing Remarks (Anne Kietzig & Chang-Hwan Choi)		