

SPP 2171 Workshop: "Wetting of Flexible, Adaptive, and Switchable Substrates"

Montag, 4. Dezember 2023

Short Talks (14:45 - 15:45)

time	[id] title	presenter
14:45	[9] Numerical simulation of droplets on membranes	ALAND, Sebastian
15:15	[12] Charge deposition by moving contact lines reduces contact angles	LI, Xiaomei

Dienstag, 5. Dezember 2023

Short Talks (09:45 - 10:45)

time	[id] title	presenter
09:45	[23] High-Order Methods for Fluid-Soft Substrate Interactions with Heat Transfer and Evaporation	MIAO, Chen
10:10	[47] Volatile binary mixtures on polymer brushes	DIEKMANN, Jan

Short Talks (11:30 - 13:00)

time	[id] title	presenter
11:30	[14] RHEOLOGY OF POLYMER SOLUTION DETERMINES THE EARLY STAGE OF THE DROP SPREADING	ROSTAMI, Peyman
11:55	[19] Synthesis and characterization of solvatochromic dye-gradient polymer brushes	DECKER, Jonah
12:20	[16] Droplet on soft flexible sheets	SULTAN, Salik

Short Talks (15:15 - 16:15)

time	[id] title	presenter
15:15	[21] High Voltages Generated by Moving Water Drops	WEBER, Stefan BISTA, Pravash
15:40	[43] Gradient dynamics approach to chemically reacting sessile liquid drops	VOSS, Florian Alexander

Short Talks (17:00 - 18:00)

time	[id] title	presenter
17:00	[8] Dynamic Wetting and Electro-Dewetting with Photoswitchable Arylazopyrazoles	BRAUNSCHWEIG, Björn
17:25	[41] Adaptive Wetting and Actuating Devices based on Conducting Polymer Materials	LI, Jie LU, Junqi

Mittwoch, 6. Dezember 2023

Short Talks (09:45 - 10:45)

time	[id] title	presenter
09:45	[34] The breakup dynamics of viscous capillary bridges on hydrophobic surfaces	JABBARY FARROKHI, salar
10:10	[48] Percolation in Networks of Liquid Diodes	SAMMARTINO, Camilla

Short Talks (11:30 - 13:00)

time	[id] title	presenter
11:30	[28] Memory effects of PNiPAAm brushes in different atmospheres	AUERHAMMER, Günter K.
11:55	[31] Phase Separation in Wetting Ridges of Sliding Drops on Soft and Swollen Surfaces	HAUER, Lukas
12:20	[7] Thickness of nano-scale poly(dimethylsiloxane) layers determines the motion of sliding water drops	ZHOU, Xiaoteng

Short Talks (15:15 - 16:15)

time	[id] title	presenter
15:15	[33] Enhancement of photoswitchable wetting properties of SP-containing porous surfaces by roughness adjustment	NEKOONAM, Niloofar
15:50	[32] Size-Dependent Wetting of Microscopic Low-vapor Pressure Droplets on Smooth Silane-Coated Substrate	HORMOZI, Mohammadali

Short Talks (16:45 - 17:45)

time	[id] title	presenter
16:45	[10] Wetting of cytosolic protein condensates	BÖDDEKER, Thomas
17:05	[54] On Demand Modulation of Adhesion of Lipid Vesicles and Biological Cells on Switchable Substrates	TANAKA, Motomu

Donnerstag, 7. Dezember 2023

Short Talks (09:45 - 10:15)

time	[id] title	presenter
09:45	[24] Stick-slip Contact Line Dynamics in Forced Wetting of Polymer Brushes	GREVE, Daniel

Short Talks (11:00 - 12:30)

time	[id] title	presenter
11:00	[37] Tunable shape oscillations in adaptive droplets	DULLWEBER, Tim
11:25	[36] Electrified droplets between horizontal cylinders	BOKANYI-TOTH, Agnes
11:50	[39] Dynamic wetting and dewetting of viscous liquid droplets/films on viscoelastic substrates	REMINE, Khalil SCHMELLER, Leonie