



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

## Dienstag, 6. Dezember 2022

### Short Talks (11:00 - 12:30)

time	[id] title	presenter
11:00	[22] Monitoring of Water Penetration in Polymer Brushes by Time-Resolved Fluorescence of Solvatochromic Dye	Dr. DRUZHININ, Sergey I.
11:30	[20] Describing liquid drops on elastic substrates: Mesoscale model vs. macroscale model and experiment	HENKEL, Christopher ESSINK, Martin H.
12:00	[16] Influence of surface chemistry on the charging of water drops moving on hydrophobic silicate substrates	Herr LEIBAUER, Benjamin

### Short Talks (14:00 - 15:30)

time	[id] title	presenter
14:00	[18] A High-Order Method for the Interaction of Fluids and Soft Substrates with Three-Phase Contact Lines	KUMMER, Florian
14:30	[39] Molecular Kinetics and Dynamic Wetting of Self-Assembled Monolayers with Arylazopyrazole Photoswitches on Oxide Surfaces	BRAUNSCHWEIG, Björn
15:00	[34] Fast contact line on soft solids	JEON, Hansol

# Mittwoch, 7. Dezember 2022

## **Short Talks (11:45 - 12:45)**

time	[id] title	presenter
11:45	[40] Water droplets on liquid crystal-infused porous surfaces	Dr. TKALEC, Uroš
12:15	[47] Bistable moving and resting drops in an active thin-film model	STEGEMERTEN, Fenna

## **Short Talks (14:00 - 15:30)**

time	[id] title	presenter
14:00	[32] Equilibrium droplets between experiment and theoretical predictions	REMINI, Khalil SCHMELLER, Leonie
14:30	[8] Photoswitchable porous substrates for on demand wetting patterns creation	NEKOONAM, Niloofar
15:00	[12] How friction develops during the sliding of drops	LI, Xiaomei

## **Short Talks (16:00 - 17:30)**

time	[id] title	presenter
16:00	[5] Dilute suspensions of chemically active particles in thin liquid films	RICHTER, Tilman
16:30	[2] An ALE-Phase-Field Method for simulations of wetting on elastic shells in flow	MOKBEL, Marcel
17:00	[19] Steering droplets on substrates with plane-wave wettability patterns and deformations	GRAWITTER, Josua

# Donnerstag, 8. Dezember 2022

## Short Talks (11:00 - 12:30)

time	[id] title	presenter
11:00	[6] Memory effects of PNiPAAm brushes in different atmospheres	SCHUBOTZ, Simon
11:30	[42] Dip-coating a soft layer	BERTIN, Vincent
12:00	[36] Gradient dynamics model for sessile drop evaporation in a gap: from simple to applied scenarios	HARTMANN, Simon