

Monday, Dec 4th

12:30 – 14:00	Registration & First Coffee of the Conference
14:00 – 14:45 Keynote Chair: Dirk Peschka	ANNA TRYBALA <i>Current problems in kinetics of wetting and spreading</i>
14:45 – 15:45 Short Talks Chair: Dirk Peschka	DANIEL GREVE <i>Stick-slip Contact Line Dynamics in Forced Wetting of Polymer Brushes</i> XIAOMEI LI <i>Charge deposition by moving contact lines reduces contact angles</i>
15:45 – 16:30	Coffee Break
16:30 – 18:30 Poster Session	SAJJAD SHUMALY: <i>Estimating the drop width based on side view dynamic measures</i> YUWEN JI: <i>Measuring Adaptation of pH-Sensitive Poly[2 (Dimethylamino)ethyl Methacrylate] Films</i> JOSUA GRAWITTER: <i>Steering droplets on substrates with travelling wave wettability patterns and deformations</i> SHALINI SHALINI: <i>Slide electrification of water droplets over CYTOP electrets surfaces</i> YOUQING SUN: <i>Not flexible but reactive</i> MARTIN BRINKMANN: <i>Directional wicking on topographic micropatterns</i> LUKAS HAUER: <i>Intracellular wetting between biomembranes and liquid-like condensates</i> ZHONGYUAN NI: <i>Electrical Discharge of Sliding Drops</i> ZAICHENG ZHANG: <i>Elastohydrodynamic Coupling at the micro/nano scale</i> BILLURA SHAKHAYEVA: <i>Electro(de)wetting with Photoswitches: Control of wetting by electric fields and light</i> STEFFEN LOHRMANN: <i>Photoresponsive Polymer Brushes</i> ILIA SADILOV: <i>Control of the water flux by variation of the interlamellar distance</i> SERGEY I. DRUZHININ: <i>Water Sensing in Polymers by Time-Resolved Fluorescence of Solvatochromic Dye</i> MORGAN BARNES: <i>Responsive Water Pinning in Liquid Crystal Elastomers</i> BENJAMIN LEIBAUER: <i>Synthesis of diblock copolymer brush layers to control the adaptation time to water</i> PRAVASH BISTA: <i>Studying the surface charge density as the contact line dewets the surface</i> REZA AZIZMALAYERI: <i>Dynamic wetting of concentrated granular suspensions</i> ANTHONY LENNARD PIETZ: <i>Growing biofilms on elastic substrates</i> SHIVA MORADIMEHR & KIRSTEN HARTH: <i>Wetting fronts underneath impacting drops on oily substrates</i> FLORIAN ALEXANDER VOSS: <i>Gradient dynamics approach to chemically reacting sessile liquid drops</i>

Tuesday, Dec 5th

9:00 – 9:45 Keynote Chair: Uwe Thiele	YUTAKA SUMINO <i>Self-propulsion of floating objects driven by the Marangoni flow induced by the presence of multiple species</i>
9:45 – 10:45 Short Talks Chair: Uwe Thiele	CHEN MIAO <i>High-Order Methods for Fluid-Soft Substrate Interactions with Heat Transfer and Evaporation</i> JAN DIEKMANN <i>Volatile binary mixtures on polymer brushes</i>
10:45 – 11:30	Coffee break
11:30 – 13:00 Short Talks Chair: Holger Stark	PEYMAN ROSTAMI <i>Rheology of polymer solution determines the early stage of the drop spreading</i> JONAH DECKER <i>Synthesis and characterization of solvatochromic dye-gradient polymer brushes</i> AGNES BOKANYI-TOTH <i>Electrified droplets between horizontal cylinders</i>
13:00 – 14:30	Lunch & Discussion
14:30 – 15:15 Keynote Chair: Sebastian Aland	PETIA VLAHOVSKA <i>Dynamics of a deformable droplet enclosing active particles</i>
15:15 – 16:15 Short Talks Chair: Sebastian Aland	STEFAN WEBER & PRAVASH BISTA <i>High Voltages Generated by Moving Water Drops</i> SALIK SULTAN <i>Droplet on soft flexible sheets</i>
16:15 – 17:00	Coffee Break
17:00 – 18:00 Short Talks Chair:	BJÖRN BRAUNSCHWEIG <i>Dynamic Wetting and Electro-Dewetting with Photoswitchable Arylazopyrazoles</i> JIE LI & JUNQI LU <i>Adaptive Wetting and Actuating Devices based on Conducting Polymer Materials</i>

Wednesday, Dec 6th

9:00 – 9:45 Keynote Chair: Motomu Tanaka	DAMIEN BAIGL <i>Why I love surfactants</i>
9:45 – 10:45 Short Talks Chair: Motomu Tanaka	SALAR JABBARY FARROKHI <i>The breakup dynamics of viscous capillary bridges on hydrophobic surfaces</i> CAMILLA SAMMARTINO <i>Percolation in Networks of Liquid Diodes</i>
10:45 – 11:30	Coffee break
11:30 – 13:00 Short Talks Chair: Christopher Henkel	SEBASTIAN ALAND <i>Numerical simulation of droplets on membranes</i> LUKAS HAUER <i>Phase Separation in Wetting Ridges of Sliding Drops on Soft and Swollen Surfaces</i> XIAOTENG ZHOU <i>Thickness of nano-scale poly(dimethylsiloxane) layers determines the motion of sliding water drops</i>
13:00 – 15:30	Lunch, Discussions & Meetings
15:30 – 16:15 Keynote Chair: Björn Braunschweig	JOSHUA D. MCGRAW <i>Elastohydrodynamic relaxation of porous films and slender fibers</i>
16:15 – 16:45 Short Talks Chair: Björn Braunschweig	NILOOFAR NEKOONAM <i>Enhancement of photoswitchable wetting properties of SP-containing porous surfaces by roughness adjustment</i>
16:45 – 17:15	Coffee break
17:15 – 18:15 Short Talks Chair: Björn Braunschweig	MOHAMMADALI HORMOZ <i>Size-Dependent Wetting of Microscopic Low-vapor Pressure Droplets on Smooth Silane-Coated Substrate</i> THOMAS BÖDDEKER <i>Wetting of cytosolic protein condensates</i>
18:15 – 18:30	Setup break
18:30 – 19:30 Evening Talk Chair: Doris Vollmer	MARTIN GREINER <i>Renewable Energy Networks — a playground for Applied Theoretical Physics</i>

Thursday, Dec 7th

9:00 – 9:45 Keynote Chair: Rüdiger Berger	CIRO SEMPREBON <i>Three problems involving ternary fluid systems</i>
9:45 – 10:15 Short Talks Chair: Rüdiger Berger	KHALIL REMINI & LEONIE SCHMELLER <i>Dynamic wetting and dewetting of viscous liquid droplets/films on viscoelastic substrates</i>
10:15 – 11:00	Coffee break
11:00 – 12:00 Short Talks Chair: Uwe Thiele	TIM DULLWEBER <i>Tunable shape oscillations in adaptive droplets</i> MOTOMU TANAKA <i>On Demand Modulation of Adhesion of Lipid Vesicles and Biological Cells on Switchable Substrates</i>
12:00 – 14:00	Lunch & Fare Well

ADDRESS OF THE LOCATION

Technical University of Berlin,
Straße des 17. Juni 135,
room H2036,
10623 Berlin