

Priority Programme "Dynamic wetting of flexible, adaptive and switchable surfaces" (SPP 2171)
List of Posters

Nr.	Applicant	Institution	GZ	Title
1	Sebastian Aland	FH Dresden	AL 1705/5-1	Efficient simulations of dynamic wetting of flexible substrates
2	Sergiy Antonyuk	TU Kaiserslautern	AN 782/14-1	Dynamic De-wetting: Droplets on Sonically Switched Surfaces
	Hans Hasse	"	HA 1993/19-1	
	Kai Langenbach	"	LA 3865/2-1	
	Ralf Müller	"	MU 1370/19-1	
3	Günter Auernhammer	IPF Dresden	AU 321/10-1	Impact of co-nonsolvency effects on dynamic wetting
	Andreas Fery	"	FE 600/32-1	
	Petra Uhlmann	"	UH 121/3-1	
4	Ellen Backus	Uni Wien	BA 5008/5-1	The molecular scale of switchable wetting
5	Markus Biesalski	TU Darmstadt	BI 738/9-1	Investigation of dynamic wetting, swelling, and capillary-driven fluid transport in paper
6	Rodica Borcia*	BTU Cottbus	BO 3120/9-1	Switchable drops on laser-structured substrates
	Olga Varlamova*	"	VA 1159/3-1	
7	Martin Brinkmann	Uni Saarland	BR 3749/3-1	Wetting of elastic surface topographies
8	Björn Braunschweig	Uni Münster	BR 4760/5-1	Structure-Property Relations and Wetting Dynamics of Organic Thin Films with Photo-Switches
9	Hans-Jürgen Butt	MPI PP Mainz	BU 1556/36-1	Dynamic advancing and receding contact angles of adaptive surfaces
10	Claus Burkhardt	Uni Tübingen	BU 2711/2-1	Interfacial processes at plant internal surfaces: microbubble dynamics at flexible fibril networks
	Wilfried Konrad	Uni Tübingen	KO 2881/3-1	
	Christoph Neinhuis	TU Dresden	NE 681/15-1	
	Anita Roth-Nebelsick	Museum für Naturkunde, Stuttgart	RO 3250/24-1	
11	Jiaxi Cui	INM Saarbrücken	CU 346/7-1	Sessile droplets on switchable lubricant infused surfaces
12	Edgar Dörsam	TU Darmstadt	DO 1140/4-1	Fast dewetting and fluid-splitting phenomena between elastic surfaces
13	Alexey Eremin	Uni Magdeburg	ER 467/13-1	Wetting, elastic and capillary forces of thin freely suspended smectic films
	Ralf Stannarius	"	STA 425/45-1	
14	Tatjana Gambaryan-Roisman	TU Darmstadt	GA 736/12-1	Modelling of spreading, imbibition and evaporation of liquids on structured or porous deformable substrates

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15	Stanislav Gorb	Uni Kiel	GO 995/40-1	Bioinspired composite materials with aligned cellulose fibers as adaptive substrates with dynamic surface functionalities
	Oliver Lieleg	TU München	LI 1902/11-1	
	Cordt Zollfrank	TU München	ZO 113/28-1	
16	Evgeny Gurevich	Uni Bochum	GU 1075/18-1	Wetting of switchable surfaces through magnetically-actuated filaments
	Jeanette Hussong	"	HU 2264/7-1	
17	Svetlana Gurevich	Uni Münster	GU 1455/3-1	Liquids on switchable pre-structured substrates - from microscopic to mesoscopic models
	Andreas Heuer	"	HE 2570/7-1	
18	Rainer Haag	FU Berlin	HA 2549/23-1	Dynamic Wetting of Switchable Surface Coatings
19	Rainer Haag	FU Berlin	HA 2549/24-1	Dynamic wetting behaviour at flexible and tuneable two-dimensional material interfaces
	Vivek Pachauri	RWTH Aachen	PA 3092/2-1	
20	Steffen Hardt	TU Darmstadt	HA 2696/46-1	Experimental and numerical study of wetting on liquid-infused surfaces
	Arnold Reusken	RWTH Aachen	RE 1461/10-1	
21	Jens Harting	HZ Erlangen	HA 4382/11-1	Colloidal assembly as a tool for adaptive and switchable interfaces
22	Martin Hager	Uni Jena	HA 6306/9-1	Dynamic covalent polymers as switchable substrates for changing the wetting/dewetting behavior on demand
	Jürgen Popp	IPHT Jena	PO 563/43-1	
23	Kirsten Harth*	Uni Magdeburg	HA 8467/2-1	Drop Impact on Soft (Adaptive) Substrates
24	Dorothea Helmer	KIT	HE 8451/1-1	Evaluation of droplet shape and three-phase contact line movement on dynamically switchable spiropyran surfaces
25	Michael Hirtz	KIT	HI 1724/4-1	Highly localized preparation, tuning, and characterization of liquid-infused surfaces
26	Christian Holm	Uni Stuttgart	HO 1108/29-1	Dynamical Wetting Behavior of Flexible Charged Substrates
27	Patrick Huber	TU Hamburg-Hamburg	HU 850/12-1	Dynamic Electrowetting at Nanoporous Surfaces: Switchable Spreading, Imbibition, and Elastocapillarity
28	Leonid Ionov	Uni Bayreuth	IO 68/15-1	Reconfigurable surfaces with switchable and adaptive wettability based on shape-changing polymers
29	Rainer Jordan	TU Dresden	JO 287/13-1	Dynamic Wetting on Flexible, Adaptive and Switchable Polymer Carpets
30	Stefan Karpitschka	MPI DS Göttingen	KA 4747/2-1	Dynamics of Liquid-Liquid-Elastic Three Phase Lines

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31	Regine von Klitzing	TU Darmstadt	KL 1165/29-1	Relation between swelling ability / swelling kinetics and dynamic wetting of adaptive polyelectrolyte surfaces
32	Florian Kummer	TU Darmstadt	KU 2719/5-1	Highly accurate numerical simulation of wetting, dewetting and fluid-splitting phenomena between elastic surfaces
33	Pavel Levkin	KIT	LE 2936/11-1	Study of dynamic wetting on switchable surfaces at the micro and macroscale
34	Gregory Lecrivain	HZ Dresden	LE 3303/4-1	Direct numerical simulation of droplet impacts with an elastic fluidic interface
35	Pierre Lorenz	IOM Leipzig	LO 1986/5-1	Anisotropic surface tension for adaptive self-folding processes
36	Stefan Metzger	Uni Erlangen	ME 5355/1-1	Switchable substrates: From micro to macro models
37	Gareth Monkmann	OTH Regensburg	MO 2196/6-1	Theoretical and experimental evaluation of magnetostiction and electrostiction through controllable solid-liquid interfaces.
38	Marcus Müller	Uni Göttingen	MU 1674/17-1	Wetting of bio-inspired, stimulus-responsive polymer surfaces by lipid vesicles
	Motomu Tanaka	Uni Heidelberg	TA 259/14-1	
39	Frank Müller	Uni Jena	MU 1803/21-1	Dynamic wetting of laser-induced periodic surface structures
40	Prapanch Nair*	Uni Erlangen	NA 1436/3-1	Optimization of micropillar carpets for reversible wetting using meshless simulations
41	Egbert Oesterschulze	TU Kaiserslautern	OE 220/21-1	Dynamics of the coupled interaction of the three-phase contact line with electrokinetic and electrochemical processes on switchable surfaces
	Clarissa Schönecker	"	SCHO 1782/1-1	
42	Martin Oettel	Uni Tübingen	OE 285/6-1	Dynamic wetting phenomena in lattice models for nematic fluids/liquid crystals near switchable substrate potentials
43	Dirk Peschka*	WIAS Berlin	PE 1782/2-1	Mathematical modeling and simulation of substrate-flow interaction using generalized gradient flows
44	Thomas Pfohl	Uni Freiburg	PF 375/6-1	Adaptive Droplets Transport Through Coupled Flow Paths
	Ullrich Steiner	Uni Fribourg		
45	Bart Jan Ravoo	Uni Münster	RA 1732/13-1	Dynamic wetting of self-assembled monolayers and polymer brushes functionalized with photoresponsive arylazopyrazoles
46	Stefan Reinicke	FH IAP Potsdam	RE 3228/4-1	Photoswitchable surface topographies based on responsive hydrogels with embossed surface nanostructure
47	Hans Riegler	MPI KG Potsdam	RI 529/18-1	Wetting kinetic of Stimuli-Responsive Polymer Carpets

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48	Jürgen Rühle	Uni Freiburg	RU 489/37-1	Dynamic behavior of water droplets on flexible, adaptive and switchable surfaces generated using surface attached polymer networks and brushes
49	Svetlana Santer	Uni Potsdam	SA 1657/16-1	AzoDune: Light switchable dynamic wetting on azobenzene containing structured polymer surfaces
50	Friederike Schmid	Uni Mainz	SCHM 985/22-1	Dynamic wetting phenomena and contact angle hysteresis of drops on polymer brushes and gels
	Doris Vollmer	MPI PP Mainz	VO 639/16-1	
51	Ralf Seemann	Uni Saarland	SE 1118/9-1	Dynamic wetting and dewetting of viscous liquid droplets/films on viscoelastic substrates
	Barbara Wagner	TU Berlin	WA 1653/6-1	
52	Michael Selzer	KIT	SE 2824/2-1	Understanding the wetting behavior of shape memory polymers: Insights from phase-field simulations
53	Marcello Sega	HZ Erlangen	SE 3019/1-1	Intrinsic analysis of dynamic wetting on soft surfaces
54	Jacobus Snoeijer	Uni Twente	SN 145/1-1	Ensembles of sitting and sliding drops on elastic media - experiment, simulation and theory
	Uwe Thiele	Uni Münster	TH 781/12-1	
55	Thomas Speck	Uni Mainz	SP 1382/7-1	Wetting of switchable solid substrates: A molecular dynamics study
	Peter Virnau	"	VI 237/7-1	
56	Holger Stark	TU Berlin	STA 352/12-1	Control of Dynamic Wetting on Photo-Switchable Substrates
57	Alla Synytska	IPF Dresden	SY 125/9-1	Dynamics of Wetting on Switchable and Adaptive Surfaces Based on Freely-Rotating Janus Particles
58	Uwe Thiele	Uni Münster	TH 781/13-1	Mesoscopic gradient dynamics models for the (de)wetting dynamics on adaptive substrates
59	Axel Voigt	TU Dresden	VO 899/25-1	A general phase-field framework for (de)wetting