

Priority Programme "Dynamic wetting of flexible, adaptive and switchable surfaces" (SPP 2171)
Reviewers' assignment - page 1

	Applicant	Reference Number	Amount Requested	Topic	Rapporteur 1 (written statement)	Rapporteur 2	Conflict of interest
1	Aland, Dresden	AL 1705/5-1	181.850	Efficient simulations of dynamic wetting of flexible substrates	Sussman	Otto	
2	Antonyuk, Kaiserslautern	AN 782/14-1	107.600	Dynamic De-wetting: Droplets on Sonically Switched Surfaces	Kondic	Graham	
	Hasse, Kaiserslautern	HA 1993/19-1	53.550		"	"	
	Langenbach, Kaiserslautern	LA 3865/2-1	53.550		"	"	
	Müller, Kaiserslautern	MU 1370/19-1	214.600		"	"	
3	Auernhammer, Dresden	AU 321/10-1	172.934	Impact of co-nonsolvency effects on dynamic wetting	Neto	Craig	
	Fery, Dresden	FE 600/32-1	18.000		"	"	
	Uhlmann, Dresden	UH 121/3-1	55.000		"	"	
4	Backus, Mainz	BA 5008/5-1	211.990	The molecular scale of switchable wetting	Neto	Benetti	
5	Biesalski, Darmstadt	BI 738/9-1	225.090	Investigation of dynamic wetting, swelling, and capillary-driven fluid transport in paper	Kondic	Garoff	
6	Borcia, Cottbus	BO 3120/9-1	219.000	Switchable drops on laser-structured substrates	Garoff	Otto	
	Varlamova, Cottbus	VA 1159/3-1	260.400		"	"	
7	Brinkmann, Saarbrücken	BR 3749/3-1	158.350	Wetting of elastic surface topographies	Kantorovich	Sussman	Kondic
8	Braunschweig, Münster	BR 4760/5-1	173.685	Structure-Property Relations and Wetting Dynamics of Organic Thin Films with Photo-Switches	Craig	Kantorovich	
9	Butt, Mainz	BU 1556/36-1	192.270	Dynamic advancing and receding contact angles of adaptive surfaces	Brunet	Benetti	Garoff

Priority Programme "Dynamic wetting of flexible, adaptive and switchable surfaces" (SPP 2171)
Reviewers' assignment - page 2

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10	Burkhardt, Reutlingen	BU 2711/2-1	97.716	Interfacial processes at plant internal surfaces: microbubble dynamics at flexible fibril networks	Neto	Klapp	
	Konrad, Tübingen	KO 2881/3-1	13.120		"	"	
	Neinhuis, Dresden	NE 681/15-1	172.650		"	"	
	Roth-Nebelsick, Stuttgart	RO 3250/24-1	95.832		"	"	
11	Cui, Saarbrücken	CU 346/7-1	159.300	Sessile droplets on switchable lubricant infused surfaces	Benetti	Graham	
12	Dörsam, Darmstadt	DO 1140/4-1	229.530	Fast dewetting and fluid-splitting phenomena between elastic surfaces	Graham	Garoff	
13	Eremin, Magdeburg	ER 467/13-1	115.454	Wetting, elastic and capillary forces of thin freely suspended smectic films	Brunet	Kondic	Klapp
	Stannarius, Magdeburg	STA 425/45-1	103.325		"	"	"
14	Gambaryan-Roisman, Darmstadt	GA 736/12-1	256.348	Modelling of spreading, imbibition and evaporation of liquids on structured or porous deformable substrates	Klapp	Otto	
15	Gorb, Kiel	GO 995/40-1	202.950	Bioinspired composite materials with aligned cellulose fibers as adaptive substrates with dynamic surface functionalities	Garoff	Neto	
	Lieleg, Garching	LI 1902/11-1	204.750		"	"	
	Zollfrank, Straubing	ZO 113/28-1	210.750		"	"	
16	Gurevich, Bochum	GU 1075/18-1	157.850	Wetting of switchable surfaces through magnetically-actuated filaments	Garoff	Kantorovich	
	Hussong, Bochum	HU 2264/7-1	158.050		"	"	
17	Gurevich, Münster	GU 1455/3-1	158.725	Liquids on switchable pre-structured substrates - from microscopic to mesoscopic models	Kantorovich	Graham	
	Heuer, Münster	HE 2570/7-1	158.725		"	"	

Priority Programme "Dynamic wetting of flexible, adaptive and switchable surfaces" (SPP 2171)
Reviewers' assignment - page 3

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18	Haag, Berlin	HA 2549/23-1	189.050	Dynamic Wetting of Switchable Surface Coatings	Benetti	Kondic	
19	Haag, Berlin	HA 2549/24-1	210.100	Dynamic wetting behaviour at flexible and tuneable two-dimensional material interfaces	Benetti	Graham	
	Pachauri, Aachen	PA 3092/2-1	272.400		"	"	
20	Hardt, Darmstadt	HA 2696/46-1	253.520	Experimental and numerical study of wetting on liquid-infused surfaces: the role of surfactants	Sussman	Otto	
	Reusken, Aachen	RE 1461/10-1	162.160		"	"	
21	Harting, Nürnberg	HA 4382/11-1	183.350	Colloidal assembly as a tool for adaptive and switchable interfaces	Graham	Klapp	
22	Hager, Jena	HA 6306/9-1	132.195	Dynamic covalent polymers as switchable substrates for changing the wetting/dewetting behavior on demand	Neto	Kantorovich	
	Popp, Jena	PO 563/43-1	131.350		"	"	
23	Harth, Magdeburg	HA 8467/2-1	310.185	Drop Impact on Soft (Adaptive) Substrates	Klapp	Brunet	
24	Helmer, Freiburg	HE 8451/1-1	199.812	Evaluation of droplet shape and three-phase contact line movement on dynamically switchable spiropyran surfaces	Neto	Klapp	
25	Hirtz, Eggenstein-Leopoldshafen	HI 1724/4-1	183.150	Highly localized preparation, tuning, and characterization of liquid-infused surfaces for a better understanding of (de)wetting dynamics	Craig	Garoff	
26	Holm, Stuttgart	HO 1108/29-1	189.750	Dynamical Wetting Behavior of Flexible Charged Substrates	Kondic	Klapp	Kantorovich
27	Huber, Hamburg	HU 850/12-1	173.840	Dynamic Electrowetting at Nanoporous Surfaces: Switchable Spreading, Imbibition, and Elastocapillarity	Brunet	Graham	
28	Ionov, Bayreuth	IO 68/15-1	223.811	Reconfigurable surfaces with switchable and adaptive wettability based on shape-changing polymers	Craig	Benetti	

Priority Programme "Dynamic wetting of flexible, adaptive and switchable surfaces" (SPP 2171)
Reviewers' assignment - page 4

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29	Jordan, Dresden	JO 287/13-1	209.470	Dynamic Wetting on Flexible, Adaptive and Switchable Polymer Carpets	Brunet	Craig	Benetti
30	Karpitschka, Göttingen	KA 4747/2-1	204.050	Dynamics of Liquid-Liquid-Elastic Three Phase Lines	Kondic	Brunet	
31	Klitzing, Darmstadt	KL 1165/29-1	204.350	Relation between swelling ability / swelling kinetics and dynamic wetting of adaptive polyelectrolyte surfaces	Neto	Benetti	
32	Kummer, Darmstadt	KU 2719/5-1	251.670	Highly accurate numerical simulation of wetting, dewetting and fluid-splitting phenomena between elastic surfaces	Graham	Sussman	
33	Levkin, Karlsruhe	LE 2936/11-1	237.310	Study of dynamic wetting on switchable surfaces at the micro and macroscale	Craig	Neto	
34	Lecrivain, Dresden	LE 3303/4-1	158.043	Direct numerical simulation of droplet impacts with an elastic fluidic interface	Sussman	Klapp	
35	Lorenz, Leipzig	LO 1986/5-1	349.600	Anisotropic surface tension for adaptive self-folding processes	Garoff	Neto	
36	Metzger, Erlangen	ME 5355/1-1	186.969	Switchable substrates: From micro to macro models	Otto	Sussman	
37	Monkman, Regensburg	MO 2196/6-1	193.317	Theoretical and experimental evaluation of magnetostiction and electrostiction through controllable solid-liquid interfaces.	Klapp	Kondic	
38	Müller, Göttingen	MU 1674/17-1	163.350	Wetting of bio-inspired, stimulus-responsive polymer surfaces by lipid vesicles	Klapp	Garoff	
	Tanaka, Heidelberg	TA 259/14-1	218.291		"	"	
39	Müller, Jena	MU 1803/21-1	194.550	Dynamic wetting of laser-induced periodic surface structures	Brunet	Craig	
40	Nair, Erlangen	NA 1436/3-1	303.800	Optimization of micropillar carpets for reversible wetting using meshless simulations	Sussman	Graham	
41	Oesterschulze, Kaiserslautern	OE 220/21-1	204.160	Dynamics of the coupled interaction of the three-phase contact line with electrokinetic and electrochemical processes on switchable surfaces	Garoff	Brunet	

Priority Programme "Dynamic wetting of flexible, adaptive and switchable surfaces" (SPP 2171)
Reviewers' assignment - page 5

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	Schönecker, Kaiserslautern	SCHO 1782/1-1	232.750		"	"	
42	Oettel, Tübingen	OE 285/6-1	151.100	Dynamic wetting phenomena in lattice models for nematic fluids/liquid crystals near switchable substrate potentials	Kantorovich	Kondic	
43	Peschka, Berlin	PE 1782/2-1	225.450	Mathematical modeling and simulation of substrate-flow interaction using generalized gradient flows	Sussman	Otto	Klapp
44	Pfohl, Freiburg Ulrich Steiner, Fribourg	PF 375/6-1	215.350	Adaptive Droplets Transport Through Coupled Flow Paths	Brunet	Kantorovich	Neto
45	Ravoo, Münster	RA 1732/13-1	183.350	Dynamic wetting of self-assembled monolayers and polymer brushes functionalized with photoresponsive arylazopyrazoles	Benetti	Neto	
46	Reinicke, Potsdam	RE 3228/4-1	204.700	Photoswitchable surface topographies based on responsive hydrogels with embossed surface nanostructure for the systematic investigation of wetting dynamics	Neto	Garoff	
47	Riegler, Potsdam	RI 529/18-1	167.350	Wetting kinetic of Stimuli-Responsive Polymer Carpets	Benetti	Craig	
48	Rühe, Freiburg	RU 489/37-1	325.950	Dynamic behavior of water droplets on flexible, adaptive and switchable surfaces generated using surface attached polymer networks and brushes	Garoff	Craig	
49	Santer, Potsdam	SA 1657/16-1	192.950	AzoDune: Light switchable dynamic wetting on azobenzene containing structured polymer surfaces	Benetti	Brunet	
50	Schmid, Mainz	SCHM 985/22-1	178.150	Dynamic wetting phenomena and contact angle hysteresis of drops on polymer brushes and gels	Craig	Kantorovich	Neto
	Vollmer, Mainz	VO 639/16-1	189.650		"	"	
51	Seemann, Saarbrücken	SE 1118/9-1	200.550	Dynamic wetting and dewetting of viscous liquid droplets/films on viscoelastic substrates	Otto	Brunet	Klapp, Kondic
	Wagner, Berlin	WA 1653/6-1	160.850		"	"	"

Priority Programme "Dynamic wetting of flexible, adaptive and switchable surfaces" (SPP 2171)
Reviewers' assignment - page 6

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52	Selzer, Karlsruhe	SE 2842/2-1	172.850	Understanding the wetting behavior of shape memory polymers: Insights from phase-field simulations	Graham	Kondic	
53	Sega, Erlangen	SE 3019/1-1	169.650	Intrinsic analysis of dynamic wetting on soft surfaces	Kondic	Otto	Kantorovich
54	Snoeijer, Enschede	SN 145/1-1	199.630	Ensembles of sitting and sliding drops on elastic media - experiment, simulation and theory	Graham	Neto	Kondic, Brunet
	Thiele, Münster	TH 781/12-1	174.338		"	"	"
55	Speck, Mainz	SP 1382/7-1	79.975	Wetting of switchable solid substrates: A molecular dynamics study	Kantorovich	Klapp	
	Virnau, Mainz	VI 237/7-1	88.175		"	"	
56	Stark, Berlin	STA 352/12-1	161.250	Control of Dynamic Wetting on Photo-Switchable Substrates	Kondic	Kantorovich	Klapp
57	Synytska, Dresden	SY 125/9-1	203.750	Dynamics of Wetting on Switchable and Adaptive Surfaces Based on Freely-Rotating Janus Particles	Craig	Benetti	
58	Thiele, Münster	TH 781/13-1	175.838	Mesoscopic gradient dynamics models for the (de)wetting dynamics on adaptive substrates	Kantorovich	Sussman	Kondic
59	Voigt, Dresden	VO 899/25-1	225.150	A general phase-field framework for (de)wetting	Otto	Klapp	