

Program

Sunday, 24 November 2019

17:00 – 20:00 Registration

18:00 *BUFFET SUPPER and get-together*

Monday, 25 November 2019

07:30 *BREAKFAST*

08:45 – 09:00 Siegfried Dietrich **Official opening and presentation of the seminar**

09:00 – 09:45 Thierry Ondarçuhu **Dynamics of nanomenisci investigated by atomic force microscopy**

09:45 – 10:30 Hajime Tanaka **A novel physical mechanism of liquid flow slippage on a solid surface**

10:30 – 11:00 *COFFEE BREAK*

11:00 – 11:45 Anton Darhuber **Liquids with a sunburn: Marangoni flows induced by photochemical reactions**

11:45 – 12:30 Ofer Manor **Transitions between different motion regimes of the three-phase contact line (and a newly found state of contact line motion) during the pattern deposition of polymer from a volatile solution**

12:30 – 12:40 **Conference Photo** (in the front of the lecture hall)

12:40 *LUNCH*

Program

Monday, 25 November 2019

14:30 – 15:15	Jacco Snoeijer	Soft wetting: drops on elastic substrates
15:15 – 16:00	Marek Napiórkowski	Wetting of soft substrates
16:00 – 16:30	<i>COFFEE BREAK</i>	
16:30 – 17:15	Alvaro Domínguez	Active colloids near a responsive fluid interface
17:15-18:00	Mihail Popescu	Effective interactions between chemically active particles and walls
18:45	<i>DINNER</i>	

Program

Tuesday, 26 November 2019

08:00	<i>BREAKFAST</i>	
09:00 – 09:45	Vinothan Manoharan	Braiding micro- and nano-scale wires using capillary forces
09:45 – 10:30	Rudi Podgornik	General formulation and some salient results in charge regulation theory
10:30 – 11:00	<i>COFFEE BREAK</i>	
11:00 – 11:45	David Andelman	Going beyond the Poisson-Boltzmann theory: Interfacial properties and charge regulation of electrolytes
11:45 – 12:30	Clarissa Schönecker	Flow and slip measurements in extreme vicinity of structured surfaces
12:30	<i>LUNCH</i>	
14:00 – 17:00	Flash-Presentation + Poster-Session	
	<i>incl. COFFEE BREAK</i>	
17:00 – 17:45	Jens Harting	Capillary and electrostatic interactions in multiphase flows
17:45 – 18:30	Robert Evans	Molecular theory of capillarity: what we know now that Mr. Frumkin & Mr. Derjaguin did not know.
18:45	<i>DINNER</i>	

Program

Wednesday, 27 November 2019

08:00	<i>BREAKFAST</i>	
09:00 – 09:45	Clemens Bechinger	Cohesive swirls formed by active colloids
09:45 – 10:30	Holger Stark	Active particles: Capillary condensation and learned navigation
10:30 – 11:00	<i>COFFEE BREAK</i>	
11:00 – 11:45	Carlo Massimo Casciola	A mesoscale model for liquid-vapor phase transition over solid surfaces
11:45 – 12:30	Svyatoslav Kondrat	Fluid-mediated interactions between colloids in bulk and confinement
12:30	<i>LUNCH</i>	
14:30 – 18:00	Excursion	
18:45	<i>DINNER</i>	

Program

Thursday, 28 November 2019

08:00	<i>BREAKFAST</i>	
09:00 – 09:45	Lou Kondic	Instabilities of liquid crystal films on nanoscale
09:45 – 10:30	Felix Höfling	Large-scale molecular dynamics simulations of inhomogeneous fluids: the boundary matters
10:30 – 11:00	<i>COFFEE BREAK</i>	
11:00 – 11:45	Margarida Telo da Gama	Non-equilibrium interfaces of patchy colloids in 2 and 3D
11:45 – 12:30	Catherine Barentin	Wetting of yield-stress fluids
12:30	<i>LUNCH</i>	
14:30 – 15:15	Sabine Klapp	Taming bacterial turbulence by external fields and arrays of obstacles
15:15 – 16:00	Lucio Isa	Active colloids swimming at oil-water interfaces
16:30 – 17:15	<i>COFFEE BREAK</i>	
16:30 – 17:15	Emanuela Zaccarelli	Microgels at liquid-liquid interfaces
17:15-18:00	Matteo Pierno	Droplets dynamics from wall texturing to liquid surfaces
18:00 – 18:15	Stefan Jorda	About the Wilhelm and Else Heraeus Foundation
18:45	<i>HERAEUS DINNER</i> <i>(social event with cold & warm buffet and complimentary drinks)</i>	

Program

Friday, 29 November 2019

08:00	<i>BREAKFAST</i>	
09:00 – 09:45	Hartmut Löwen	Active particles near substrates: from biofilms to colloids in motility patterns
09:45 – 10:30	Dirk Aarts	Droplets of complex fluids on walls
10:30 – 11:00	<i>COFFEE BREAK</i>	
11:00 – 11:45	Markus Gross	Nonequilibrium dynamics of the critical Casimir force
11:45 – 12:30	Pierre Illien	Experimental observation of flow fields around active Janus spheres
12:30 – 12:40	Siegfried Dietrich	Closing remarks
12:45	<i>LUNCH</i>	

End of the seminar and departure

NO DINNER for participants leaving on Saturday morning