

Scientific Kickoff Meeting of CRC 1194

December 12-13, 2016
Technische Universität Darmstadt, Campus Lichtwiese
Building of Mechanical Engineering L1 | 01, Lecture Hall K24
Otto-Berndt-Str. 2, 64287 Darmstadt, Germany

Agenda

December, 12th 2016

Time	Topic
11.30 am	Peter Stephan: Welcome, Introduction and Overview of the CRC
12.00 am	Lunch Break
1.00 pm	Günter Auernhammer: CRC Benchmark Configurations
1.30 pm	David Quéré: Two natural function of hydrophobic textures: from aerophilicity to anti-fogging.
2.15 pm	David Brutin: Droplet Wetting and Evaporation - From Pure to Complex Fluids
3.00 pm	Coffee Break
3.30 pm	Peter Spelt: Numerical simulations of 3D flows with moving contact lines
4.15 pm	Hrvoje Jasak: Handling discontinuous solutions with the Ghost Fluid Method
5.00 pm	Holger Marschall: Direct Numerical Simulation of Wetting Processes by means of Sharp and Diffuse Interface Methods in OpenFOAM
5.30 pm	Summary of Day I
6.00 pm	End of First Day
7.00 pm	Dinner at Bockshaut

December, 13th 2016

Time	Topic
9.00 am	Jacco Snoeijer: Wetting of (visco-)elastic surfaces
9.45 am	Tatiana Gambaryan-Roisman: Imbibition, evaporation and particle transport on textured substrates and in porous layers
10.30 am	Coffee Break
11.00 am	Hans-Jürgen Butt: How drops advance and recede on superhydrophobic arrays of micropillars
11.30 am	Patrick Huber: Fluid-Solid Interactions in Nanoporous Media
12.15 pm	Stefan Karpitschka: Interactive Droplet Systems
1.00 pm	Final Discussion and Closing
1.30 pm	Lunch Break
2.00 pm	Lab Tour