



›Allgemeines Physikalisches Kolloquium

> **Donnerstag, 6.12.2018 um 16 Uhr c.t.**

Prof. Dr. Hans-Jürgen Butt

Max-Planck Institute for Polymer Research, Mainz

Einladender: Prof. Dr. Uwe Thiele



Wetting – a multiscale phenomenon

Although the sliding of drops on surfaces is an everyday phenomenon, it is still far from being quantitatively understood. One reason is that processes close to moving contact lines happen at very different time and length scales. Several fundamental issues will be addressed: How do drops advance and recede on superhydrophobic surfaces? How is energy dissipated when drops slide over a surface? How do surfactants (or unavoidable contamination) influence moving drops? Furthermore, we compare lateral adhesion of sessile drops to solid friction.