



# WETTING DYNAMICS

28 - 30 September 2020

Bonn, Germany

## Scope

This conference aims at bringing together experts and young researchers from the fields of wetting and interfacial phenomena, mass and heat transfer, and multiphase flows to discuss the latest advancements, challenges and new perspectives. In particular, we will discuss the wetting dynamics of lubricated, adaptive, flexible, switchable or responsive surfaces. Many surfaces adapt to the presence of a drop and reversibly or irreversibly change their properties. On lubricated or soft surfaces, drops deform the surface, which results in the formation of a wetting ridge. The deformation or adaptation of the surface influences the viscous dissipation in the drop and the substrate - and hence drop motion. Wetting and dewetting processes can also go hand in hand with heat and mass transport, e.g. in condensation, evaporation or boiling. We will discuss the underlying mechanisms of the interaction between wetting dynamics, heat and mass transfer. New advanced experimental and numerical techniques enable detailed investigations and control of the wetting dynamics of complex liquids. Based on this cutting-edge knowledge, we will explore and discuss new directions in the field.

## Deadlines

Registration open:	20 March 2020
Abstract submission open:	20 March 2020
Abstract submission closed:	31 July 2020
Notification by the scientific committee:	15 August 2020
Early bird registration closed:	15 August 2020

## Conference fee\*

### Early registration

Regular participants:	330 €
Students (Master, PhD):	280 €

### Registration

Regular participants:	380 €
Students (Master, PhD):	280 €

\*The conference fee includes lunch, dinner and coffee breaks. Note: we reserved 220 rooms in the Gustav-Stresemann-Institut. Please contact them directly if you envision staying there. The accommodation price is not included in the conference fee.

## Plenary speakers

- Wilhelm Barthlott, Univ. of Bonn, Germany
- Dieter Bothe, Technical Univ. Darmstadt, Germany
- Elisabeth Charlaix, Université Grenoble Alpes, France
- Gareth McKinley, MIT, USA
- Uwe Thiele, Univ. of Münster, Germany

## Keynote speakers

- Carlo Antonini, Univ. of Milano-Bicocca, Italy
- Steffen Berg, Shell, The Netherlands
- Joel De Coninck, Univ. of Mons, Belgium
- Christian Diddens, Univ. of Twente, The Netherlands
- Eric Dufresne, ETH Zurich, Switzerland
- Maria Helena Godinho, Univ. of Lisbon, Portugal
- Lou Kondic, New Jersey Institute of Technology, USA
- Pavel Levkin, Karlsruhe Institute of Technology, Germany
- Manish Tiwari, UCL London, United Kingdom
- Kripa Varanasi, MIT, USA
- Gary Wells, Northumbria Univ., United Kingdom

## Scientific committee

**Elmar Bonaccorso**,  
Airbus Defence and Space GmbH (DE)  
**Hans-Jürgen Butt**,  
Max Planck Institute for Polymer Research (DE)  
**Kirsten Harth**,  
Otto von Guericke University Magdeburg (DE)  
**Ralf Seemann**, Saarland University (DE)  
**Cameron Tropea**,  
Technical University Darmstadt (DE)  
**Doris Vollmer**,  
Max Planck Institute for Polymer Research (DE)

## Venue

Gustav-Stresemann-Institut e.V.  
European Conference & Training Centre in Bonn  
Langer Grabenweg 68  
53175 Bonn-Bad Godesberg

## Contact

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