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## International Conference on Adhesion in Aqueous Media: From Biology to Synthetic Materials AAM 2019

September, 9 - 12, 2019 in Dresden, Germany

### TOPICS

#### **Biological adhesive systems in wet environment**

Understanding of natural systems

#### **Novel chemistries and structures**

- Biological and biomimetic interfaces
- Thin films and nanostructures
- Hydrogels with reversible sacrificial bonds
- Organic / inorganic hybrid systems

#### **Mechanisms and modelling of underwater adhesion**

- Novel tools & methods for adhesion testing
- Mechanics of soft interfaces
- Rheology & adhesion
- Transport phenomena through interfaces
- Molecular simulations

#### **Applications and materials design in wet environment**

- Biomedical adhesives and clinical applications
- Surface contamination (biofouling, insects & ice)
- Underwater attachment systems, robotics
- Additive manufacturing of hydrogels
- Adhesives on wet surfaces

### SCIENTIFIC and INTERNATIONAL COMMITTEE

Alla Synytska (IPF Dresden, DE)

Aránzazu del Campo Bécara (INM Saarbrücken, DE)

Eduard Arzt (INM Saarbrücken, DE)

Rene Hensel (INM Saarbrücken, DE)

Marleen Kamperman (Wageningen University, NL)

Costantino Creton (CNRS/ESPCI, FR)

Walter Federle (Cambridge University, UK)

Anton Darhuber (TU Eindhoven, NL)

Vlasis Mavrantzas (University of Patras, GR & ETH Zurich, CHE)

Animangsu Ghatak (IIT Kanpur, IND)

Phillip B. Messersmith (University of California, USA)

Russell J. Stewart (University of Utah, USA)

Al Crosby (University Massachusetts Amherst, USA)

### PLENARY SPEAKERS (confirmed)

Al Crosby (University Massachusetts Amherst, USA)

Phil B. Messersmith (University of California, USA)

Russell J. Stewart (University of Utah, USA)

### KEYNOTE SPEAKERS (confirmed)

Terry Steele (NTU, SGP)

Megan T. Valentine (UCSB, USA)

Niels Holten-Andersen (MIT, USA)

Ali Dhinojwala (Akron University, USA)

Markus Linder (Aalto University, FI)

João F. Mano (University of Aveiro, PT)

Chao Zhong (Shanghai Tech University, CN)

Rudy Koopmans (PICC, NL)

### VENUE

The conference will take place at the Hilton Dresden, directly across from the "Frauenkirche" (Church of our Lady) in the heart of the historic city center

### IMPORTANT DATES

Call for Abstracts: **January 15, 2019**

Abstract Submission Deadline: **April 01, 2019**

Early Registration: **July 01, 2019**

### ORGANIZERS

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