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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

PLENARY SPEAKERS (confirmed)
Al Crosby (University of 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)
Joän 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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