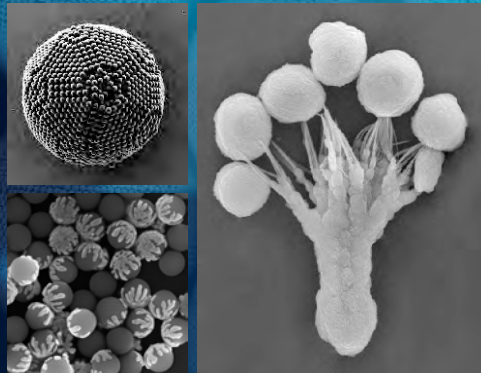


# PARTICLE BASED MATERIALS SYMPOSIUM

20 – 21 September · 2018  
Erlangen · Germany



## KEYNOTE

To be announced.

## SCIENTIFIC COMMITTEE

**Prof. Dr. Robin Klupp Taylor**, Institute of Particle Technology, FAU

**Prof. Dr. Tobias Kraus**, Leibniz Institute for New Materials, Saarbrücken

**Dr. Alexander Kühne**, Leibniz Institute for Interactive Materials, Aachen

**Dr. Karl Mandel**, Fraunhofer Institute for Silicate Research, Würzburg

**Dr. Doris Segets**, Interdisciplinary Center for Functional Particle Systems, FAU

**Dr. Alla Synytska**, Leibniz Institute for Polymer Research, Dresden

**Prof. Dr. Nicolas Vogel**, Institute of Particle Technology, FAU

## DEADLINES

Abstract submission  
Registration

1 July 2018  
15 August 2018

## REGISTRATION

(Includes conference dinner)

Regular Participants  
Students

150 €  
100 €

Abstract submission and more info  
[www.eam.fau.de/PBM2018](http://www.eam.fau.de/PBM2018)

[eam-pbm@fau.de](mailto:eam-pbm@fau.de)

## SPONSOR

## SCOPE

The goal of the Particle Based Materials Symposium is to bring together scientists and engineers from different communities that all share the goal of creating functionality in materials using particles. The synthesis, processing and materials integration of particles into thin films, bulk matrices, fibers or other geometries are covered by this symposium.

A strong focus will be on the development of scalable processes, novel modelling or characterisation techniques as well as material properties that can be achieved using particles and that would be hard to obtain using other approaches. Anisotropic, complex particles, and supraparticles that bring new or multiple functionalities to materials are of particular interest.

## TOPICS

- Synthesis (bottom up, top down), (in situ) characterisation (including new multidimensional techniques) and processing (purification, formulation, etc.) of particles to be used in advanced materials
- Special types of particles (anisotropic particles, supraparticles, multifunctional particles, etc.)
- Assembly, arrangement, alignment and patterning of particles in films and bulk materials
- Multiscale simulations of particle growth, assembly and properties
- Applications of particle based materials with targeted (multi)functions (magnetic, optical, electronic, structural, chemical, biological, etc.)

**Contributions (oral and poster) from researchers at all levels are highly appreciated.**

[www.eam.fau.de/PBM2018](http://www.eam.fau.de/PBM2018)