

PRESS RELEASE  
Berlin, February 16, 2018 – BioMAT 2019 Call for Abstracts

## 5<sup>th</sup> Euro BioMAT - European Symposium and Exhibition on Biomaterials and Related Areas

**08 - 09 May 2019, Weimar, Thuringia (Germany)**

Based on the huge success of the previous four Euro BioMAT Symposia 2011 in Jena and in 2013, 2015 and 2017 in Weimar this international conference will be held every two years in the Jena-Weimar region.

The symposium **Euro BioMAT 2019, 08.-09. May 2019**, addresses the growing interest of science and industry in the different aspects of the creation, characterization, testing and application of biomaterials and closely related areas. The motivation is not only the recent scientific progress and new challenges of this exciting, strongly interdisciplinary field of science and engineering. Materials scientists, physicists, chemists, biologists in industrial R&D as well as medical professionals are increasingly facing situations, where materials are confronted with high performance requirements and a challenging biological environment at the same time.

Much of the growth in the area of biomaterials emerged in the USA and Asia over the last years, but Europe is gaining ground with a fast and steady growth in this field. The German Materials Society (DGM) and its panel of experts in biomaterials address these developments with the **Euro BioMAT 2019** in Weimar. **Euro BioMAT 2019** will present and discuss the current state of progress and novel trends in development, characterization, application, testing and modelling of biomaterials in basic science and industry. In addition, this symposium will bring together experts in closely related areas, such as biomimetics, biomineralization and biopolymers.

The organizers at the DGM feel a need to serve the European biomaterials community beyond other European and world biomaterials congresses with a compact two-day meeting which brings together fascinating science and stimulating people in a delightful setting in historic Weimar in the very heart of Europe. The programme of the **Euro BioMAT 2019** will comprise several invited plenary lectures as well as oral and poster presentations. The organizers look forward receiving many contributions to the **Euro BioMAT 2019**.

**The following matters will be discussed:**

### **Structure and properties of biomaterials**

- Bioactive materials, bioglass and calciumphosphates
- Biodegradable materials
- Bioinspired materials / biomimetic materials
- Biological materials and biomineralization
- Computational biomaterials science
- Hydrogels and biobased polymers
- Imaging of biomaterials

### **Biological response to biomaterials**

- Biofilms & antimicrobial biomaterials
- Biocompatibility
- Biointerfaces and microenvironments
- Clinical performance of biomaterials
- Multi-functional biomaterials



### **Biomaterials applications**

- Current and future challenges for the MedTech industry
- Dental materials
- Drug and gene delivery
- Innovation in fabrication including 3D printing / additive manufacturing of biomaterials
- Responsive and smart biomaterials
- Tissue engineering / regenerative medicine

### **Biopolymer-based biomaterials**

- Special Session „Biopolymer-based biomaterials“

In particular young scientists are very welcome to actively contribute to the conference by submitting an abstract. To submit your abstract, please click [here](#).

Chair of the conference is Klaus D. Jandt, Friedrich Schiller University Jena (Germany), in collaboration with Thomas F. Keller, DESY Hamburg (Germany).

**Abstract submission deadline: 12<sup>th</sup> November 2019**

Further information about the conference:  
<https://biomat2019.dgm.de>

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### **About Deutsche Gesellschaft für Materialkunde e.V. (DGM) / German Materials Society**

The German Materials Society / Deutsche Gesellschaft für Materialkunde e.V. ([www.dgm.de](http://www.dgm.de)), founded in 1919, is the largest scientific and technical society in the field of materials science and engineering in Germany. The DGM represents the interests of its members ensuring continuous development in the field of materials science and engineering with regard to content, structure and human resources. Furthermore, individual members, companies and universities are part of DGM. The involvement and promotion of young material scientists and engineers at an early stage is one of the central issues to which DGM applies itself. The spectrum of services for the support and development of young people includes excursions, young DGM local groups, forums, career workshops, academies as well as special publications or alumni meetings.

DGM organises more than 40 continuous training courses with over 600 participants annually. Over 2300 people attend the annual DGM conferences and more than 2500 experts actively participate in 70 technical and working committees of DGM. Therefore, DGM contributes to the transfer of knowledge, the continuous exchange and networking in the field of materials science and engineering.

For further information about DGM and its activities please contact:

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