

PRESS RELEASE  
Berlin, September 13, 2018 – CellMAT 2018 Scientific Programme online

## **5<sup>th</sup> International Conference on Cellular Materials (CellMAT) 24 - 26 October 2018, Bad Staffelstein, Bavaria (Germany)**

The activities in the development, manufacture and application of cellular materials are steadily growing. Meanwhile, R&D of cellular materials constitutes a discrete but well-connected research field of materials science and engineering. In the same manner as other materials, it is expected to be a driver of innovations and novel or better products.

Over the last years, applications have been identified in the fields of energy efficiency, light weight construction, novel and efficient conversion concepts or biomedical repair functions, just to mention a few.

This year the conference will be held in Bad Staffelstein, in the wonderful and special location Kloster Banz (Franconian Switzerland, Bavaria).

We are proud to announce the following Plenary Speaker:

### **Opening Speaker**

- Prof. David S. Smith, University of Limoges, France  
**Thermophysical properties of porous materials: microstructural design parameters for thermal insulation**

### **Keynote Speaker**

- Prof. Jean Paul Allain, University of Illinois, Urbana, USA  
**Surface and interface nano-to-mesoscale patterning of biomimetic architected cellular materials**
- Dr. Ernesto Di Maio, University of Naples Federico I, Italy  
**Graded and layered foams by gas foaming**
- Dr.-Ing. Patrick Gehre, TU Bergakademie Freiberg, Germany  
**Functionalisation of cellular filtering materials for steel melt: a contribution to clean steel technologies**
- Prof. Aleksander Gurlo, TU Berlin, Germany  
**Fabrication of porous oxide and non-oxide ceramics for gas separation, sensing and catalysis**

- Dr. Roland Hingmann, BASF SE, Germany  
**Thermoplastic Foams: Versatile Cellular Materials for Multifaceted Applications and Markets**
- Prof. Miguel Angel Rodríguez Perez, University of Valladolid, Spain  
**Nanocellular polymers. Novel approaches to produce these materials using gas dissolution foaming**

Chair of the conference is Michael Scheffler, Otto von Guericke University Magdeburg (Germany), in collaboration with Peter Quadbeck, Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM, Dresden (Germany); Dirk Enke, University of Leipzig (Germany); Tobias Fey, Friedrich-Alexander-University Erlangen-Nürnberg (FAU) (Germany) and Mike Tromm, University of Kassel (Germany)

The scientific program for the upcoming 5<sup>th</sup> CellMAT is available online at the conference homepage: <https://cellmat2018.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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