

Topics Programme Overview

Topics

The conference is dedicated to all classes of materials including material combinations/macrostructural and microstructural composite materials of all types and cellular parts. In a side event commercialised parts and applications or those which are close to commercialisation will be in focus.

General Topics

- Manufacturing
- Surface modification and functionalization
- Characterization: structure, in situ, structure characterisation
- Physical, chemical, mechanical, thermal, acoustic and optical properties
- Sustainable processing and recycling/materials from waste
- Standardisation

Application-related Topics

- Mechanical engineering
- Energy management and saving
- Chemical engineering and conversion
- Bioengineering, biomaterials and life science
- Biotechnology
- Medical engineering
- Microsystems technology
- Automotive, aerospace and transportation
- Architecture and design

We are glad and proud to announce this year the following Opening and Keynote speakers enriching the conference:

Opening Speaker

- **Prof. Denis Weaire**, Trinity College Dublin (Ireland)

Keynote Speaker

- **Prof. Dr.-Ing. Volker Altstädt**, Universität Bayreuth (Germany)
- **Prof. Dr.-Ing. habil. Christos G. Aneziris**, TU Bergakademie Freiberg (Germany)
- **Prof. Yuji Iwamoto**, Nagoya Institute of Technology (Japan)
- **Prof. Dr.-Ing. Jens Meinert**, University of Applied Sciences Zittau/Görlitz (Germany)
- **Prof. Chul B. Park**, University of Toronto (Canada)
- **Prof. Taro Suzuki**, Waseda University (Japan)

General Information Conference Fees

Young Researchers up to 30 years

DGM-members	230 EUR
DGM-basic members	270 EUR
Non-members	300 EUR

Expert Researchers 31 - 40 years

DGM-members	460 EUR
DGM-basic members	490 EUR
Non-members	530 EUR

Professionals University

DGM-members	560 EUR
DGM-basic members	590 EUR
Non-members	630 EUR

Industry

DGM-members	680 EUR
DGM-basic members	730 EUR
Non-members	780 EUR

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

Benefit from a DGM-membership!
www.dgm.de

Venue

WYNDHAM GARDEN
Dresden, Germany

Conference Office

INVENTUM GmbH · Alexia Ploetz
PO box 20 07 14 · 53173 Bonn, Germany
cellmat@dgm.de

Conference Website

www.cellmat.dgm.de

Conference Language

The official conference language will be English.



4th Cellular Materials

CellMAT 2016

7 - 9 December 2016

Dresden, Germany



www.cellmat.dgm.de

DGM

The Scope

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. The **CellMAT** conference series was initiated in 2010 in order to bring together experts from the polymer, ceramic, glass and metal communities dealing with cellular materials.

The **4th CellMAT** conference will cover all aspects of manufacturing, modification, joining, property analysis and modelling of cellular materials. In addition to this, featured side events will focus on specific topics. International experts will give keynote/invited lectures about applications in the automotive industry and transportation, in mechanical engineering, for chemical and energy systems, for environmental purposes or for micro and medical devices and functions. Thus, the three day conference comes up as a discussion panel for researchers, manufacturers, and users of cellular materials. During the conference, the best three posters will be honoured. The **CellMAT** will be held from **07 – 09 December, 2016**, which is during the 581st Strietzelmarkt, one of the oldest and most traditional Christmas Markets in Germany.

We cordially invite you to join the **CellMAT 2016** conference, to share your experience in cellular materials with your fellow colleagues and to enjoy the very beautiful and special Christmas atmosphere during our conference.

Conference Chair

Michael Scheffler

Otto-von-Guericke University Magdeburg, Germany

Co-Chairs

Olaf Andersen

Fraunhofer IFAM Dresden,
Germany

Dirk Enke

University of Leipzig, Germany

Tobias Fey

Friedrich-Alexander-Universität
Erlangen-Nürnberg (FAU), Germany

Mike Tromm

University of Kassel, Germany

Programme Committee

Adler J., Fraunhofer Institute for Ceramic Technologies and Systems (IKTS), Dresden, Germany

Altstaedt V., University of Bayreuth, Germany

Aneziris C., TU Bergakademie Freiberg, Germany

Banhart J., Helmholtz-Zentrum Berlin für Materialien und Energie, Germany

Bordia R. K., Clemson University, South Carolina, USA

Colombo P., University of Padua, Italy

Di Maio E., University of Naples Federico II, Naples, Italy

Dunand D., Northwestern University, Chicago, USA

Falk G., Saarland University, Saarbrücken, Germany

Greil P., Friedrich-Alexander-University Erlangen-Nürnberg, Germany

Heim H.-P., University of Kassel, Germany

Hipke T., Fraunhofer Institute for Machine Tools and Forming Technology (IWU), Chemnitz, Germany

Hopmann Chr., RWTH Aachen, Germany

Iwamoto Y., Nagoya Institute of Technology, Japan

Jandt K. D., Friedrich-Schiller-University, Jena, Germany

Kang K. J., Chonnam National University, Gwangju, South Korea

Kieback B., TU Dresden, Germany

Körner C., Friedrich-Alexander-University Erlangen-Nürnberg, Germany

Mortensen A., Ecole Polytechnique Fédérale de Lausanne, Switzerland

Nakajima H., Osaka University, Osaka Japan

Rabiei A., North Carolina State University, USA

Rezwan K., University of Bremen, Germany

Rodríguez Pérez M., University Valladolid, Spain

Suzuki S., Waseda University, Tokyo, Japan

Simancik F., Institute of Materials & Machine Mechanics, Slovak Academy of Science, Bratislava, Slovak

Traut H., Trexel GmbH, Wiehl, Germany

Pabst W., Institute of Chemical Technology, Prague

Fukushima M., Nagoya Institute of Technology, Japan

Schaedler T., HRL Laboratories, LLC, Malibu, USA

Call for Abstracts

Call for Abstracts

The organizers invite prospective authors to submit an abstract related to the conference topics. Abstracts should not exceed 300 words in length and should be submitted through the conference website:

www.cellmat.dgm.de

Please indicate whether an oral or a poster presentation is preferred. Time for oral presentations will be 20 minutes including five minutes for discussion time.

Time for poster presentations will be 3 minutes for presenting 2-3 slides only.

The abstracts will be evaluated, and if accepted, the authors will be informed about the kind of presentation (oral or poster).

Full Papers

Full papers may be submitted after notification of acceptance of the abstracts. The deadline for full papers is September 08, 2016. All full papers will be reviewed and, if accepted, published in a printed conference proceedings book by Springer.

Especially young scientists are very welcome to actively contribute to the conference by submitting a contribution.

Keydates and Deadlines

Submission of Abstracts

Confirmation to Authors

Preliminary Programme

Deadline Full Papers

15 April 2016

May 2016

June 2016

08 September 2016

Industrial Exhibition and Advertisement

Industrial Exhibition

The exhibition will be held in conjunction with the conference. Coffee breaks, lunch and poster sessions will be held in the exhibition area.

Price per m² 195 EUR + 19% VAT

This includes:

- Exhibition area (min. 6 m²)
- Publication of your company logo on the conference website
- Publication of your company logo and company profile (max. 1.000 characters) in the programme brochure and on the conference website
- One exhibitor pass which is also valid to visit the scientific programme

Placing will be carried out by order of registrations.

- Exhibitors may place their job offers free of charge on the conference website and in a selected edition of the DGM-newsletter.

Programme Advertisement

Back cover (U4) 500 EUR

Inside front cover (U2) 450 EUR

Inside back cover (U3) 350 EUR

Regular page inside 300 EUR

Print date November 2016, Format A5

Advertising Material

Flyers/brochures in the conference bag 500 EUR

Flyers/brochures on the plenary hall seats 300 EUR

Flyers/brochures at the check-in 150 EUR

Hand-out of various gifts at the check-in 150 EUR

Indoor Advertising

Display in the plenary hall 250 EUR

Display at the check-in 150 EUR

Sponsoring

Conference Material

You will be mentioned as a sponsor in the conference programme brochure and on the conference website.

Conference bags 1,500 EUR

Lanyards 500 EUR

Writing pads 400 EUR

Pens 150 EUR

Name badges (Your company logo printed on the personal name badges) 500 EUR

Social Events prices on request

Coffee breaks (Wed, Thu or Fr)

Lunch break (Wed, Thu or Fr)

Social evening (Thu)

Lunch package (Fr)

Your company will be named as sponsor of the event in the printed programme brochure and on the conference website.

Your company roll-up banner will be placed in a preferential position at all stations where the event takes place.

Poster Exhibition 500 EUR

Your company logo will be printed on every poster number label, which will be fixed onto every poster panel. Your company will be also named as sponsor in the conference programme brochure and on the conference website.

All fees are in EUR-currency and do not include 19% VAT