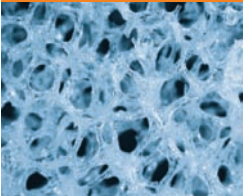


1<sup>st</sup> Announcement  
Call for Papers

# Cellular Materials



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© Fraunhofer IWU Chemnitz

## 27 - 29 Oct 2010



**Dresden, Germany**

Deutsche Gesellschaft  
für Materialkunde e.V. - DGM

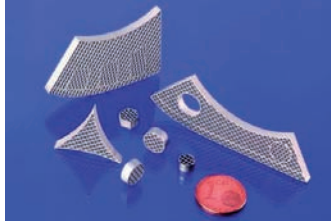
**DGM** Deutsche Gesellschaft  
für Materialkunde eV

In collaboration with

 **Fraunhofer**  
IFAM

[www.dgm.de/cellmat](http://www.dgm.de/cellmat)

 **Fraunhofer**  
IWU



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## Scope

Cellular materials are characterized by their unique combination of properties like low specific weight with additional useful properties (absorption of energy and noise). Due to their high specific surface area cellular materials are promising candidates for filtration, as catalyser or for heat storage and heat exchange.

During the last two decades numerous activities in research and development of cellular materials can be pointed out. But at present, in Germany as well as all over the world a strong engagement in application activities of cellular materials can be reflected. The aim of the conference is to support and promote the application of cellular materials based on metals, ceramics and glasses. International experts will give plenary lectures about the applications in automotive, in machine- and equipment construction, for chemical- and energy systems, for environmental purposes or for micro- and medical devices. Additional contributions about machining, quality- and process control, new technologies in manufacturing of cellular materials, joining and coating techniques will be discussed during the conference. An exhibition of cellular materials will be organised in conjunction with the event.

The forum should be used as a discussion panel between researchers, manufacturers and end users of cellular materials.

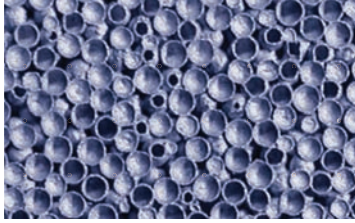
During the conference, the industry sponsored CELLMAT-Awards for excellent results in applications of cellular materials will be launched. Furthermore the three best poster will be honoured. We invite you to join the conference and share your experience in the application of cellular materials.



*Günter Stephani*  
Conference  
Chairman



*Thomas Hipke*  
Head of  
Programme  
Committee



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## Organisers

### Programme Committee

**T. Hipke**, Head of Programme Committee, Fraunhofer Institute for Machine Tools and Forming Technology, Chemnitz

**G. Stephani**, Conference Chairman, Fraunhofer Institute for Manufacturing and Advanced Materials, Dresden

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**P. Stingl**, CeramTec AG, Lauf

**H.A. Verduyn**, KEN RECEMAT INT., Oud-Beijerland, Netherlands

### Organising Committee

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**O. Andersen, H. Göhler, C. Müller,**

**P. Quadbeck**, Fraunhofer Institute for Manufacturing and Advanced Materials, Dresden

**R. Thümmeler, J. Hohlfeld, C. Lies**, Fraunhofer Institute for Machine Tools and Forming Technology, Chemnitz

# Programme Overview

	<b>Wednesday</b> 27 Oct	<b>Thursday</b> 28 Oct	<b>Friday</b> 29 Oct
<b>Morning</b>	Lab Tours IFAM + IKTS	Lectures	Lectures
<b>Afternoon</b>	Lectures	Lectures  Poster and CELLMAT Award	Lab Tours IFAM + IKTS, IWU
<b>Evening</b>	Poster Evening  Meeting DGM-Working Group „Cellular Metals“	Social Evening	

## Topics

- Machine Construction
- Energy Management
- Chemical Engineering
- Bioengineering
- Medical Engineering
- Microsystems Technology
- Automotive
- Aerospace
- Architecture and Design

The following areas will also be included:

- Manufacturing
- Joining
- Machining
- Plastic Deformation
- Recycling

## Call for Papers

The organisers invite prospective authors to submit an abstract for lectures (15 min oral presentation/ 5 min discussion) or posters (poster panels / short papers during the poster session) relating to the conference topics through the conference website

[www.dgm.de/cellmat](http://www.dgm.de/cellmat). Authors will be guided through the procedure step by step.

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

Deadline for the submission of papers is **22 February 2010**.



© Foto: Christoph Münch

## Conference Location

### Dresden

The International Congress Center is one of the most modern and pleasant congress centers in Europe. Situated directly on the banks of the river Elbe, it follows the standard of these world highlights of architecture: the Semper Opera House, the Zwinger or the Brühl Terrace.

### Conference Venue

International Congress  
Center Dresden  
Ostra Ufer 2 / Devrientstr. 10 - 12  
01067 Dresden  
Germany  
[www.dresden-congresscenter.de](http://www.dresden-congresscenter.de)

### Associated Hotel

MARITIM Hotel  
Ostra-Ufer 2

A contingency of hotel rooms has been reserved in several hotels in Dresden. Please refer to the conference website for the complete list of hotels:

[www.dresden-congresscenter.de/bdry3304](http://www.dresden-congresscenter.de/bdry3304)

### Exhibition

An exhibition of cellular metals and related topics will be held in conjunction with the symposium. Coffee breaks and poster sessions will be held close to the exhibition area.

## Information

### CELLMAT Awards

The CELLMAT Awards are granted to excellent results in the application of cellular materials. The awards honour the development of full serial parts. The submission deadline for the CELLMAT Awards is **31 August 2010**.

For details on the application and selection criteria please visit [www.dgm.de/cellmat](http://www.dgm.de/cellmat)

### Proceedings

The papers presented at the conference will be published in a proceedings volume that will be available at the conference. One copy of the proceedings volume is included. Detailed instructions for the authors will be available at the conference website.

### Conference and Exhibition Secretariat

Deutsche Gesellschaft  
für Materialkunde e.V.  
Vera Hausen  
Senckenberganlage 10  
60325 Frankfurt, Germany  
Phone: +49-(0)69-75306-758  
Fax: +49-(0)69-75306-733  
E-Mail: [cellmat@dgm.de](mailto:cellmat@dgm.de)  
Internet: [www.dgm.de/cellmat](http://www.dgm.de/cellmat)



## Registration Form

Online: [www.dgm.de/cellmat](http://www.dgm.de/cellmat)

Fax: +49-69-75306-733

.....  
Name, First Name, Title

.....  
University / Company

.....  
Institute / Department

.....  
Street

.....  
Country, Zip Code, City

.....  
Phone / Fax

.....  
E-Mail

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### Registration

Participation Fee University  EUR 450,-

Participation Fee Industry  EUR 550,-

The conference fees include the Technical Programme, refreshments during the official breaks, lunch, Conference Dinner and Proceedings.

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### Payment Mode

Bank transfer  Master Card  Visa

After registration, each participant will receive an invoice.

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Card No.

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Expiry date

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Card Verification Value  
CW2/CVC2/KPN <sup>1)</sup>

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Date/Signature

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<sup>1)</sup> The last 3 digits on your credit card. **Obligatory!**