

**MATERIALS****SCIENCE****ENGINEERING****MSE**

meet Professionals

**25-27 Sept 2012**  
**Darmstadt, Germany****CALL FOR SYMPOSIA****MSE 2012**

MSE will build a forum on which the multilateral parties can meet to exchange ideas and to organise societal activities. Do not miss this excellent occasion to communicate with the interesting community to discover its directions, priorities and opportunities. The MSE will create an atmosphere in which young talents get the opportunity to mix with professors and industries.



Photo: © Katrin Binner (TU Darmstadt)

**Be welcome to suggest your own Symposium for the****→ MSE 2012! ←****Deadline: 17 May 2011****[mse@mse-congress.de](mailto:mse@mse-congress.de)****<http://www.mse-congress.de>****Topics A:****Functional Materials**

Prof. Dr. Eckhard Quandt  
Christian-Albrechts-University  
of Kiel

**Topics D:****Characterisation**

Prof. Dr. Anke Kayser-Pyzalla  
Helmholtz-Zentrum Berlin für Materialien  
und Energie GmbH

**Topics B:****Structural Materials**

Prof. Dr. Christoph Leyens  
Technische Universität Dresden

**Topics E:****Modelling**

Prof. Dr. Karsten Albe  
Technische Universität Darmstadt

**Topics C:****Processing**

Prof. Dr. Ralf Riedel  
Technische Universität Darmstadt

**Topics F:****Biomat**

Prof. Dr. Klaus D. Jandt  
Dr. Thomas F. Keller  
Friedrich-Schiller-University Jena

# MATERIALS

# SCIENCE

# ENGINEERING



**25-27 Sept 2012**  
**Darmstadt, Germany**

**Is your symposium in this list?**  
**If not please send us your suggestion until 17 May 2011!**

## Symposia

### Topic A: Functional Materials

Prof. Dr. Ekhard Quandt

**A1:** High-Temperature Sensors

H. Fritze, TU Clausthal

**A2:** Polymer Nanocomposites

H. Münstedt, University Erlangen-Nürnberg,  
F. Faupel, Christian-Albrechts-University of Kiel

**A3:** Magnetic Shape Memory Alloys

S. Fähler, IFW Dresden

**A4:** Magnetolectrical Composite

E. Quandt, Christian-Albrechts-University of Kiel

**A5:** Micro and Nano Dispersions - Production  
Routes and Effect on Properties

W. Peukert, R.F. Singer, University of Erlangen-  
Nürnberg

**A6:** Electrical Fatigue, Aging and Lifetime

J. Rödel, TU Darmstadt

**A7:** this might be your symposium...

**A8:** this might be your symposium...

### Topic B: Structural Materials

Prof. Dr. Christoph Leyens

**B1:** Intermetallic Aluminides

F. Appel, M. Oehring, J. Paul, Helmholtz-  
Zentrum Geesthacht

**B2:** Novel Steels and Steel-Matrix Composites

H. Biermann, TU Bergakademie Freiberg

**B3:** Glasses

L. Wondraczek, University of Erlangen-  
Nürnberg

**B4:** Mechanical Properties and Microstructure

M. Heilmaier, TU Darmstadt

**B5:** Steel ab Initio

W. Bleck, RWTH Aachen, H.J. Hoffmann,  
Technical University of Berlin

**B6:** Very High Cycle Fatigue

H. Christ, University of Siegen

**B7:** Multi Materials Design

W. Hufenbach, N. Modler, Technische  
Universität Dresden

**B8:** Hybrid Structures

A.S. Herrmann, University of Bremen

**B9:** Refractory Materials

C. Aneziris, TU Bergakademie Freiberg

**B10:** this might be your symposium...

**B11:** this might be your symposium...

### Topic C: Processing

Prof. Dr. Ralf Riedel

**C1:** Nanomaterials and Composite

K.-H. Haas, Fraunhofer-Institut für  
Silicatiforschung, R. Gadow, F. Kern,  
University of Stuttgart

**C2:** Materials for Additive Manufacturing  
Technologies

J. Stampfl, TU Wien, B. Baufeld, Katholieke  
University Leuven (B)

**C3:** this might be your symposium...

**C4:** this might be your symposium...

### Topic D: Characterisation

Prof. Dr. Anke Kaysser-Pyzalla

**D1:** New Technique

C. Hebert, EPFL Lausanne (CH)

**D2:** Characterisation of Material Properties

H.J. Maier, University of Paderborn

**D3:** "Günter Gottstein Honorary Symposium on  
Characterization and Design of Microstructure  
for Advanced Materials"

D. Molodov, RWTH Aachen University

**D4:** this might be your symposium...

**D5:** this might be your symposium...

### Topic E: Modelling

Prof. Dr. Karsten Albe

**E1:** Nucleation, Microstructure Evolution and  
Phase Transition

H. Emmerich, Universität Bayreuth,

E. Gamsjäger, University of Leoben (A)

**E2:** Materials Processing

V. Schulze, B. Nestler, P. Boehlke, Karlsruhe  
Institute of Technology

**E3:** this might be your symposium...

**E4:** this might be your symposium...

### Topic F: Biomat

Prof. Dr. Klaus D. Jandt, Dr. Thomas F. Keller

**F1:** Bio-Inspiration

I. Burgert, MPI für Kolloid- und Grenzflächen-  
forschung, Potsdam

**F2:** Interfaces

K. Rezwani, University of Bremen, T. Keller,  
Friedrich-Schiller University Jena

**F3:** Biomat Application

A.R. Boccaccini, University of Erlangen-  
Nürnberg

**F4:** Materials for Tissue Regeneration within  
Systemically Altered Bone

R. Schnettler, Universitätsklinikum Gießen und  
Marburg

**F5:** Micro- and Nanosystems in Medicine

B. Chichkov, Laser Zentrum Hannover e.V.,

A. Haverich, Hannover Medical School

**F6:** Porous Biomaterials

W. Baumgartner, Aluminium Ranshofen  
Service GmbH, G. van der Emden, Friedrich-  
Wilhelms-Universität Bonn

**F7:** this might be your symposium...

**F8:** this might be your symposium...

**To submit a symposium suggestion, please send us a short abstract of the subject, together with your publication list of the last three years, via email to: mse@mse-congress.de**

### Conference Office:

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### Key Dates

**Deadline Call for Symposia:** 17 May 2011

**Deadline Call for Papers**

**(Lectures and Poster):** 17 Feb. 2012

**Authors Confirmation:** April 2012

**Preliminary Programme:** May 2012

**Final Programme:** August 2012

**Conference:** 25-27 Sept. 2012