

MATERIALS SCIENCE AND ENGINEERING

Young Researchers



meet Professionals

24-26 Aug 2010
Darmstadt, Germany

Call for Papers
Deadline: 19 March 2010

Topic A: Functional Materials

A1 Energie

W. Wolny, The Piezoinstitute; Meggitt, Kvistgaard, DK

A2 Intelligent Materials

H. Fritze, TU Clausthal

A3 Mesoporous

M. Biener, J. Biener, A. Hamza, Lawrence Livermore National Laboratory, USA

H. Peterlik, University of Wien

J. Schneider, TU Darmstadt

A4 Polymer Nanocomposites

T.H. Münstedt, University of Erlangen-Nürnberg

F. Faupel, Christian-Albrechts-Universität zu Kiel

Topic B: Structural Materials

B1 Intermetallic Aluminides: Physical Metallurgy and Processing

F. Appel, M. Oehring, J. Paul, GKSS-Forschungszentrum Geesthacht GmbH

B2 Modern Steels

H. Biermann, P.R. Scheller, TU Bergakademie Freiberg

B3 Refractory Materials

C. Aneziris, TU Bergakademie Freiberg

P. Quirnbach, Deutsches Institut für Feuerfest und Keramik, Bonn

B4 Functional Amorphous Materials and Glasses

L. Wondraczek, University of Erlangen-Nürnberg

B5 New Methods in Materials Design

W. Bleck, RWTH Aachen

H.J. Hoffmann, TU Berlin

B6 Mechanical Properties and Microstructure

H.J. Christ, University of Siegen

M. Heilmaier, Technische Universität Darmstadt

Topic C: Processing

C1 Nanomaterials and Composites

K.-H. Haas, Fraunhofer-Institut für Silicaforschung

R. Gadow, F. Kern, University of Stuttgart

C2 Coatings

S. Veprek, Technical University of Munich

J. Vetter, Sulzer Metaplas, Bergisch-Gladbach

C3 Joining

C. Sommitsch, TU Graz, A

U. Reisgen, RWTH Aachen

C4 Additive Manufacturing and Field Assisted Sintering Techniques

J. Stampfl, TU Wien, A

B. Baufeld, Katholieke Universiteit Leuven, B

J.R. Groza, Univ. of California, USA

M. Farsari, Foundation for Research and Technology-Hellas Crete, GR

P. Greil, University of Erlangen-Nürnberg

C5 Advanced Carbon-Based Materials

S. Cahen, CNRS - Nancy University, Metz, F

P. Lagrange, Université Henri Poincaré,

Nancy, F

Topic D: Characterisation

D1 Microstructure Characterisation

V. Abetz, GKSS-Forschungszentrum Geesthacht GmbH

D2 New Techniques

W. Hoffelner, Paul Scherrer Institute, Villigen, CH

C. Hebert, TU Wien, A

U. Kaiser, University of Ulm,

A. Bleloch, University of Daresbury,

Liverpool UK

J. Ren, Liverpool University, UK

A. Froideval, Paul Scherrer Institut, Villigen CH

J. Neuhaus, TU München

W. Neumann, Humboldt University Berlin

D3 Characterisation of Material Properties

J. Olbricht, Bundesanstalt für Materialforschung und -prüfung, Berlin

H.J. Maier, Universität Paderborn

A. Weidner, TU Bergakademie Freiberg

M. Scherge, Fraunhofer-Institut für Werkstoffmechanik, Karlsruhe

D. Holland-Moritz, DLR Köln

Topic E: Modelling

E1 Functional Materials

C. Hin, Berkeley University of California, USA

E2 Materials Processing

F. Hoffmann, Stiftung Institut für Werkstofftechnik, Bremen

E3 Nucleation, Microstructure Evolution and Phase Transitions

H. Emmerich, RWTH Aachen

I. Steinbach, Ruhr-Universität Bochum

M.C. Record, University of Marseille, F

E. Gamsjäger, University of Leoben A

E.J. Mittemeijer, MPI for Metals Research,

Stuttgart

E4 Interface Dominated Mechanical Properties

A. Hartmaier, R. Janisch, Ruhr-Universität

Bochum

Topic F: Biomat

F1 Bio-Inspiration

T. Scheibel, University of Bayreuth

I. Burgert, MPI für Kolloid- und Grenzflächenforschung, Potsdam

S.-H. Yu, University of Science and Technology, China

C. Zollfrank, University of Erlangen-Nürnberg

This Symposium organized by further associations:

- Priority Program SPP 1420, - BIONIKON, - VDI, - Landesexzellenzcluster Hamburg

F2 Bio-Nano Materials

M. Pumera, National Institute for Materials Science, Tsukuba, Ibaraki, Japan

F3 Interfaces

K. Rezwan, University of Bremen

N.J. Shirtcliffe, Nottingham Trent University, UK

F4 Biomat Modelling

J. Pan, University of Leicester, UK

F5 Biomaterial Applications

A.R. Boccaccini, University Erlangen-Nürnberg

F6 Bio-Based Polymers

J. Laska, AGH University of Science and Technology, Krakau, PL

M. J. John, CSIR Materials Science and Manufacturing, Port Elizabeth, South Afrika

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MSE 2010

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 new MSE will create an atmosphere in which young talents get the opportunity to mix with professors and industries. The programme is chaired by the MSE-Expert Committee.

Topic Chairs



Topic A:
Functional Materials
Prof. Dr. E. Quandt
Christian-Albrechts-University
of Kiel



Topic B:
Structural Materials
Prof. Dr. Christoph Leyens
Technische Universität Dresden



Topic C:
Processing
Prof. Dr. Ralf Riedel
Technische Universität
Darmstadt



Topic D:
Characterisation
Prof. Dr. Anke Kaysser-Pyzalla
Helmholtz-Zentrum Berlin für
Materialien und Energie GmbH



Topic E:
Modelling
Prof. Dr. Karsten Albe
Technische Universität
Darmstadt



Topic F:
Biomat
Prof. Dr. Klaus D. Jandt
Friedrich-Schiller-Universität Jena

Side Events

Following an inter-societal approach, MSE accommodates a series of technical and non-technical side events referring to research funding, educational programmes, general assemblies.

SE 1: Teaching and Learning Materials Science and Engineering

H. Biermann, TU Bergakademie Freiberg,
A. Wanner, Karlsruher Institut für Technologie
Studentag
Materialwissenschaft und Werkstofftechnik e.V.

SE 2: Nachwuchskarriereworkshop

Bundesvereinigung Materialwissenschaft &
Werkstofftechnik (BVMatWerk)



SE 3: Technologietransfer und Ausgründung im Bereich MSE

D. Hilgers, Universität Hamburg,
H. Piller, RWTH Aachen, M. Weissenberger-
Eibl, H. Joachim, Universität Kassel und FhG-ISI-
Karlsruhe



Deutsche
Forschungsgemeinschaft



DFG

SE 4: Innovationspotenzial ausgewählter neuer Werkstoffe

VDI Technologiezentrum GmbH, Bundesanstalt
für Materialforschung und -prüfung (BAM),
R. Fellenberg, VDI, Düsseldorf



Technologiezentrum

SE 5: European Research Area Acatech / DFG

C. Berger, TU Darmstadt
B. Jahnen, X. Molodova, DFG, Bonn



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Forschungsgemeinschaft

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SE 6: Werkstoffe in der Öffentlichkeit Acatech / BVMatWerk

P.D. Portella, BVMatWerk
C. Berger, TU Darmstadt



Submission of Abstracts

Prospective authors are invited to submit an abstract, indicating which of the symposia listed on the website is most appropriate to the topic of the contribution. Abstracts should be submitted in digital format through the website:
<http://www.mse-congress.de>

Registration

In addition to submitting an abstract, all authors must register before the conference. The congress fees are as follows:

- Student or PhD and DGM member: 150 €
- Student or PhD: 165 €
- University and DGM member: 500 €
- University: 550 €
- Industry and DGM member: 650 €
- Industry: 715 €

Key Dates

- **Deadline Call for Papers:**
19 March 2010
- Confirmation of authors: May 2010
- Final Programme: July 2010
- Conference: 24-26 August 2010

Conference Location

Technische Universität Darmstadt
Karolinenplatz 5
Darmstadt, Germany

Organiser

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DGM-Tag 2010

Mon, 23 Aug 2010 (in German)
Hessisches Staatsarchiv Darmstadt
www.dgm.de/dgmtag