

MATERIALS SCIENCE AND ENGINEERING

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

S. van der Zwaag, TU Delft, NL

A2 Intelligent Materials

H. Fritze, TU Clausthal

A. Hütten, University of Bielefeld

A3 Mesoporous

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

H. Peterlik, University of Wien, A

J. Schneider, TU Darmstadt

A4 Polymer Nanocomposites

H. Münstedt, University 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 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 Silicatforschung

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 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

D. Rafaja, TU Bergakademie Freiberg

D2 New Techniques

W. Hoffelner, Paul Scherrer Institute, Villigen, CH

C. Hebert, EPFL, Lausanne, CH

U. Kaiser, University of Ulm

A. Bleloch, University of Daresbury, Liverpool UK

J. Ren, Liverpool John Moore 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, Massachusetts Institute of Technology, Cambridge, USA

E2 Materials Processing

F. Hoffmann, Stiftung Institut für Werkstofftechnik, Bremen

H.J. Seifert, TU Bergakademie Freiberg

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 Erlangen-Nürnberg

This Symposium organized by further associations:

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

- Landesexzellenzcluster Hamburg

F2 Bio-Nano Materials

M. Pumera, Nanyang Technical University, Singapore

F3 Interfaces

K. Reznaw, University of Bremen

N.J. Shirtcliffe, Nottingham Trent University, UK

T. Keller, Friedrich-Schiller-Universität Jena

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 Africa



Deutsche Gesellschaft
für Materialkunde eV

Deutsche
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Studientag
Materialwissenschaft und Werkstofftechnik e.V



Technologiezentrum

MATERIALS SCIENCE AND ENGINEERING

24-26 Aug 2010
Darmstadt, Germany



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MSE-Topic Chairs



Topic A:

Functional Materials

Prof. Dr. Eckhard 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



Dr. Thomas Keller
Friedrich-Schiller-Universität Jena

MSE 2010

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.

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

SE 2: Nachwuchskarriereworkshop

Bundesvereinigung Materialwissenschaft & Werkstofftechnik (BVMatWerk)

SE 3: Technologietransfer und Ausgründung im Bereich MSE

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

SE 4: Innovationspotenzial ausgewählter neuer Werkstoffe

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

SE 5: European Research Area Acatech / DFG

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

SE 6: Werkstoffe in der Öffentlichkeit Acatech / BVMatWerk

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

Hans Eckart Exner Memorial



Hans Eckart Exner, Professor at the Technische Universität Darmstadt, Germany, passed away in October 2009. A special session will be held on selected lectures given by his former

students, colleagues and companions. The theme of this session will be "Progress in Sinter Technology and Quantitative Image Analysis of Microstructures" Abstracts (Symp. Y1) are welcome via the regular procedure of submission.

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 Location

Technische Universität Darmstadt
Karolinenplatz 5, Darmstadt, Germany

Organiser

Deutsche Gesellschaft für Materialkunde e.V.
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DGM-Tag 2010

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

DGM Deutsche Gesellschaft für Materialkunde eV

Deutsche Forschungsgemeinschaft
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