

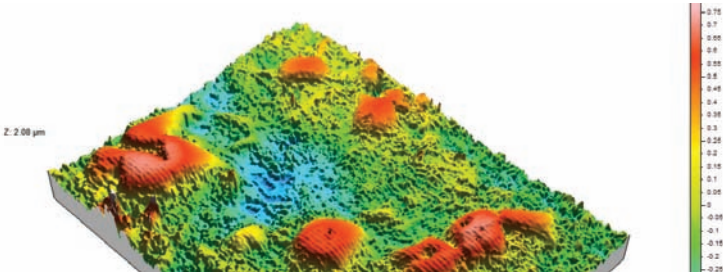
DGM

Call for Abstracts
Deadline: 21 Feb 2010

EURO

Friction, Wear and Wear Protection

European Symposium on Friction, Wear,
Wear Protection and Related Areas



25.-28. Oct 2011



Karlsruhe Convention Center
Karlsruhe, Germany

Deutsche Gesellschaft
für Materialkunde e.V.

[www.dgm.de / friction_wear2011](http://www.dgm.de/friction_wear2011)

Scope

Conservation of energy and resources is one of the biggest challenges for society and industry. Modern tribology is one of the



main cornerstones of reducing carbon emissions. However, friction and wear protection lacks a systematic approach based on elemental mechanisms from materials science, physics and chemistry; materials and technologies needed in the near future may not be a simple extension of one which is in our hand now.

Following the successful 2008 symposium in Aachen the 2011 conference belongs to a series of conferences held once every three years under the auspices of the technical committee "Materials aspects of tribology and machining" of the German Materials Society, DGM. The scope of the symposium covers all classes of materials, machining, production and lubrication technologies and targets at practitioners from industry as well as engineers and scientists.

The conference will take place in Karlsruhe, close to such beautiful landscapes as the Black Forest and the French Alsace. Karlsruhe is easily accessible via Frankfurt International Airport, one of Europe's major international airports, which is just one hour away by direct train.

I am looking forward to seeing you!

The Conference Chairman
Matthias Scherge
Fraunhofer Institute for Mechanics of Materials, Karlsruhe (Germany)

Topics

- A** Wear Resistant Non-Ferrous Materials
- B** Wear Resistant Fe-Based Materials
- C** Tribology
- D** Thin Coatings
- E** Modelling
- F** Computer Simulation
- G** Ceramics
- H** Polymeres and PMCs
- I** Extreme Environments
- K** Lab. Tests Endurance
- L** Biomaterials
- M** SFB 442: Environmentally Friendly Tribosystems

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/friction_wear2011

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 21 February 2011.

Organisers

M. Scherge,

Conference Chairman, Fraunhofer Institute for Mechanics of Materials, Karlsruhe (Germany)

M. Dienwiebel, Co-Chairman of Conference, Karlsruhe Institute of Technology (Germany)

R. Bennewitz, INM Leibniz Institute for Materials, Saarbrücken (Germany)

R. Carpick, University of Pennsylvania, Philadelphia (USA)

A. Fischer, Universität Duisburg (Germany)

J. Frenken, Leiden Institute of Physics LION (Netherlands)

K. Hiratsuka, Chiba Institute of Technology (Japan)

K. Holmberg, VTT Technical Research Centre of Finland

R. Luther, Fuchs Petrolub AG, Mannheim (Germany)

S. Mischler, Swiss Federal Institute of Technology EPFL, Lausanne (Switzerland)

M. Moseler, Fraunhofer Institute for Mechanics of Materials, Karlsruhe (Germany)

M. Müser, Universität des Saarlandes, Saarbrücken (Germany)

N. Spencer, ETH Zürich (Switzerland)

U. Stolz, Robert Bosch GmbH, Stuttgart (Germany)

V. Popov, Technische Universität Berlin (Germany)

General Information

Conference Fees

Authors

Industry Speaker	Euro 800,-
University Speaker	Euro 600,-
PHD Speaker	Euro 400,-

Participant

Industry	Euro 900,-
University	Euro 700,-
PHD	Euro 450,-

Exhibition

An exhibition will demonstrate dedicated applications as well as measuring devices and characterisation methods. It will be run throughout the conference in the foyer adjacent to the lecture halls. Coffee breaks and poster sessions will be held close to the exhibition area. For further information please contact:

MAT•Info GmbH

Phone: +49-(0)69-75306-750

E-Mail: expo@dgm.de

Proceedings

The papers presented at the conference will be reviewed and published.

Conference Location

Karlsruher Messe- und Kongress GmbH

Festplatz 9

76137 Karlsruhe, Germany

Internet: www.messe-karlsruhe.de



Karlsruhe Palace
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General Information

Hotel Reservation

A contingent of hotel rooms has been reserved in Karlsruhe. For hotel reservations, please use the hotel reservation system provided by

Karlsruher Messe- und Kongress GmbH

Internet:

www.karlsruhe.de/stadt/tourismus/uebernachtung.en

Conference Secretariat

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Symposium on Advanced Ceramics

October 24-25, 2011 in Karlsruhe

The meeting will provide a broad forum to present recent developments in research and applications of advanced structural and functional ceramics.

A special session on "High performance sliding and friction systems based on advanced ceramics" will be structured by the Center of excellence in research (SFB) 483.

The symposium intends to have invited, oral and poster contributions on structural ceramics, bio ceramics, and electro ceramics related to the following topics:

- Sintering and grain growth
- Microstructure characterization
- Fracture Mechanics and reliability
- Materials and component design
- Tribology and wear
- Tailoring functionalities
- Simulation and modelling
- Applications

On Wednesday, participants of the symposium on Friction, Wear and Wear Protection will have the opportunities to attend both conferences without additional registration fees.

Michael J. Hoffmann,
Programme Chair
Karlsruhe Institute of Technology (KIT)