

Please send this registration form by mail or fax to the following address:

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Alternatively, you can send a scanned version of this registration form to:
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■ **GAMM COMMITTEE** “ANALYSIS OF MICROSTRUCTURES”

Hans-Dieter Alber (TU Darmstadt)
Carsten Carstensen (Humboldt Universität Berlin)
Sergio Conti (Universität Bonn)
Antonio DeSimone (Sissa, Trieste)
Georg Dolzmann (Universität Regensburg)
Klaus Hackl (Ruhr-Universität Bochum)
Christian Miehe (Universität Stuttgart)
Alexander Mielke (WIAS and Humboldt Universität Berlin)
Stefan Müller (Universität Bonn)
Patrizio Neff (Universität Duisburg-Essen)
Jörg Schröder (Universität Duisburg-Essen)
Erwin Stein (Leibniz Universität Hannover)
Peter Wriggers (Leibniz Universität Hannover)

■ **ORGANIZERS**

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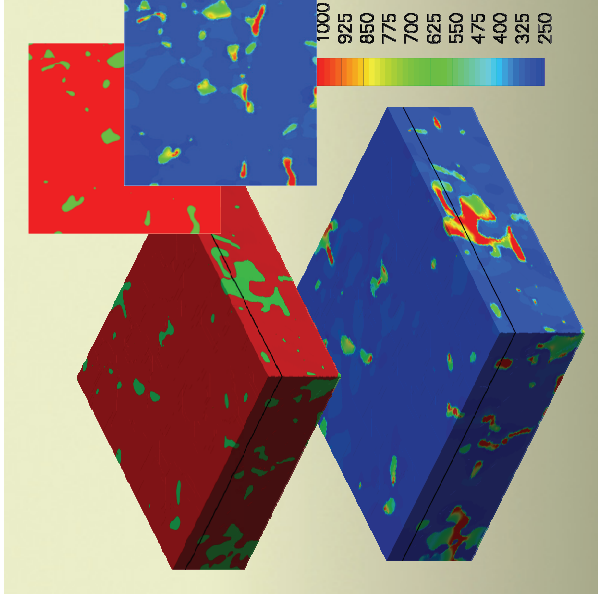
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LOCAL ORGANIZING TEAM

Daniel Balzani, Dominik Brands, Joachim Bluhm
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11th GAMM-SEMINAR ON MICROSTRUCTURES



3D-Microstructures based on EBSD/FIB *

January 20 – 21, 2012

ANNOUNCEMENT

▪ OBJECTIVES OF THE SEMINAR

The seminar will focus on various aspects of microstructures in solid mechanics, material science and applied mathematics:

- theoretical and computational modelling of materials with evolving microstructures (plasticity, damage, phase transitions, electro-magneto-mechanics, thin walled structures, films, dislocations, ...),
- experimental results on the formation and evolution of microstructure (lamination, phase transformation, ...),
- mathematical analysis, variational formulation, asymptotic analysis, homogenization and relaxation methods, non-convex problems,
- multiscale methods and other computational tools for the determination of effective properties of micro-heterogeneous materials.

The seminar is intended to give the opportunity to discuss and compare different approaches to the above areas as well as to stimulate and create perspectives for future research. It provides a platform for the interaction among young and established researchers in solid mechanics, mathematics and material science.

▪ PROGRAM

Jan 20 (Fri): lectures begin at 9:00 am,
Jan 21 (Sat): the program ends with a farewell lunch

Each lecture is expected to last 30 minutes including the discussion. The seminar dinner will be on Friday evening.

▪ SEMINAR HOMEPAGE

www.uni-due.de/mechanika/gamm_micro_2012.shtml

*) *The picture shows the results of a segmentation and numerical calculation of a DP-steel microstructure obtained by EBSD/FIB-measurements (cooperation of the Institute of Mechanics (Prof. J. Schröder), University Duisburg-Essen, and the Max-Planck-Institut für Eisenforschung (Prof. D. Raabe) in Düsseldorf).*

▪ VENUE

The seminar is to be held at the Campus Essen of the University of Duisburg-Essen. The Essen Campus is located centrally in the city within 20 minutes walking distance from the central railway station.

Essen, an important city in the Rhine/Ruhr region, is connected through an extensive road transport network to all cities in Germany and Europe and is easily accessible from all directions by railroad and air. For detailed travel information, please refer to the route description at <http://www.uni-due.de/de/universitaet/orientierung.php>.

▪ ACCOMODATION

For accommodation we recommend two hotels in the centre of Essen. For more information please visit the seminar homepage. The participants are responsible for making their reservations.

▪ PAYMENT

The conference fee is EUR 80.00 and has to be paid no later than October 31, 2011, by bank transfer to:

Bank: Sparkasse Essen
Holder: Universität Duisburg-Essen
Account no.: 248 997 Bank code: 360 501 05
IBAN: DE75 3605 0105 0000 2489 97
BIC: SPESDE 33XXX
Reference 1: 91004/28211/kh000180
Reference 2: name of the participant

▪ REGISTRATION AND ABSTRACTS

For registration use the attached form. One page abstracts in LaTeX format must be submitted via email to daniel.balzani@uni-due.de. A LaTeX master file can be found on the seminar homepage.

▪ DEADLINES

Registration: September 30, 2011
Abstract and Payment: October 31, 2011

▪ REGISTRATION

Name: -----

Institution: -----

Address: -----

Phone: -----

Fax: -----

Email: -----

Prospective Title of my Lecture: -----

I shall participate in the seminar

from ----- (date of arrival) to -----

Date/Signature