



Invitation

18th Bohemian-Saxon-Silesian Mechanics Colloquium



November 26, 2011



Institute of Mechanics and Fluid Dynamics
TU-Bergakademie Freiberg

<http://tu-freiberg.de/fakult4/imfd/fkm/bssmc18/index.html>

Personal Invitation

This invitation intends to continue the successful tradition of bringing together colleagues of different fields of mechanics from our region beyond the national borders within the „18th Bohemian-Saxon-Silesian Mechanics Colloquium“. Therefore, it is a pleasure to invite you to come to Freiberg and to be guest of the Institute of Mechanics and Fluid Dynamics. We are looking forward to the meeting and to fruitful discussions.

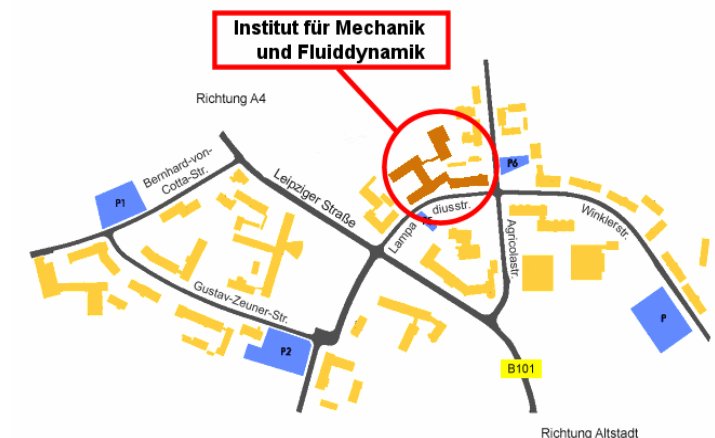
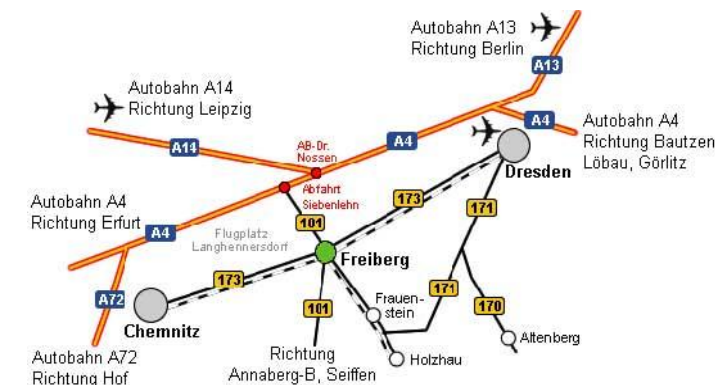
Prof. Dr. rer. nat. Meinhard Kuna

Program

- 9:00 Coming Together / Breakfast
- 9:30 M. Kuna
Welcome Address
- 9:50 L. Zybell, G. Hütter, U. Mühlich, M. Kuna
Micromechanical modeling of ductile fracture by plastic collapse of voids
- 10:10 F. Koch, M. Enderlein, M. Kuna
Modeling and finite element analysis of in-service welding of gas pipelines
- 10:40 S. Groh
Hierarchical multiscale modeling of the plasticity in metals
- 11:00 *Coffee Break*
- 11:30 M. Groß
Physically consistent simulation of technical polymers
- 11:50 A. V. Shutov, J. Ihlemann
On the simulation of distortional hardening: A rheological approach
- 12:10 K. de Payrebrune, M. Kröger
Dynamics of systems with rough and abrasive contacts
- 12:30 *Lunch*
- 14:00 Individual Program
Lab Tour, Terra Mineralia, Weihnachtsmarkt

Venue

The Colloquium will take place in Weissbach-Bau, Room 1051, Lampadiusstraße 4, 09599 Freiberg.



Registration

Participants should register till **11.11.2011**.
Please register by e-mail to:
Martin.Abendroth@imfd.tu-freiberg.de

Contact

Prof. Dr. rer. nat. Meinhard Kuna
Institute of Mechanics and Fluid Dynamics
TU-Bergakademie Freiberg
09596 Freiberg

Tel.: +49 (0)3731 / 39 2092
Fax.: +49 (0)3731 / 39 3455
E-Mail: Meinhard.Kuna@imfd.tu-freiberg.de