

## CONFERENCE WEB SITE

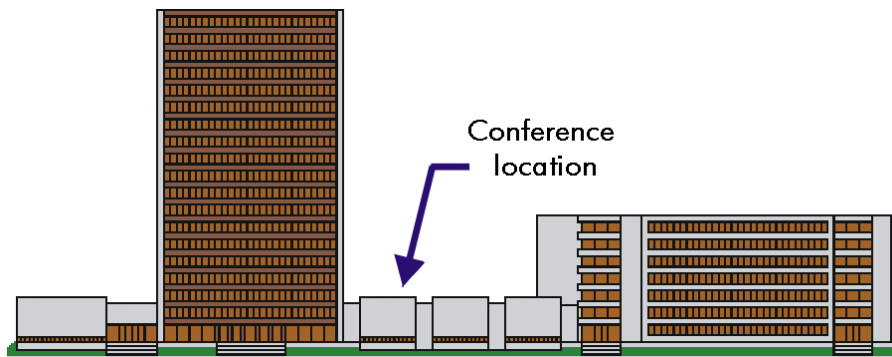
The topical information can be found on the Internet address <http://csnmt.fme.vutbr.cz/msmf/>. This web site will be updated regularly with more detailed information about all aspects of the conference.

## SECOND CIRCULAR

The Second Circular will be distributed in December 2003.

## PERTINENT DATES

Pre-registration	October 31, 2003
Submission of short abstracts	October 31, 2003
Notification of acceptance	December 31, 2003
Second circular	December 31, 2003
Submission of full papers and extended abstracts	April 30, 2004



**Faculty of Mechanical Engineering  
Brno University of Technology**



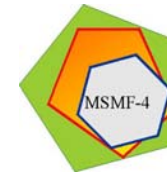
## *First Announcement*

## 4<sup>th</sup> International Conference on

## **MATERIALS STRUCTURE**

**&**

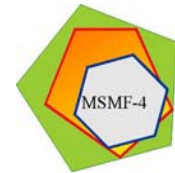
## **MICROMECHANICS OF FRACTURE**



## **MSMF-4**

Brno, Czech Republic

**June 23 – 25, 2004**



Under the auspices of Prof. Jan Vrbka, rector of the Brno University of Technology  
Institutes of Physical and Materials Engineering, Faculty of Mechanical Engineering, Brno UT  
Czech Society for New Materials and Technologies (CSNMT)

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Masaharu Yamaguchi (Kyoto)

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### Contact address

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### SCOPE

**MSMF-4** will be focused on fundamental relations between microstructural and mechanical characteristics of materials. Papers dealing with structure and damage modelling based on atomistic, micromechanistic or multiscale approaches are particularly welcome. Technology and properties of nanomaterials will be discussed within the framework of special sections.

### LOCATION

MSMF-4 will be held at the Faculty of Mechanical Engineering, Brno University of Technology, Technická 2, Brno, Czech Republic.

### LANGUAGE

English must be used for abstracts, papers and presentations.

### TOPICS

1. Atomistic studies on deformation and fracture.
2. Deformation and fracture models based on crystal defects behaviour.
3. Mathematical modeling microstructure, deformation and fracture.
4. Multiaxial deformation and fracture.
5. Nanomaterials: modeling deformation and fracture.
6. Nanomaterials: nanostructure and technology.
7. Surface and interface microstructure and properties.
8. Advanced experimental techniques for microstructure investigation.
9. Experimental studies on the relation between microstructure and mechanical properties

### PRE-REGISTRATION

Use on-line Internet form (<http://csnmt.fme.vutbr.cz/msmf/prereg/>) or fill and return the attached pre-registration form before October 31, 2003.

### ABSTRACTS AND ABSTRACT BOOKLET

A short abstract, written in your favourite editor, should contain 200 – 250 words. A simultaneous submission of both the Pre-registration form and the abstract is appreciated. Please remember the deadline - October 31, 2003. Authors will be notified of the acceptance of their abstracts and presentations in December 2003.

Abstract Booklet containing camera-ready extended abstract of all accepted contributions will be available at the beginning of the conference. Instructions for authors will be sent with the 2<sup>nd</sup> Announcement.

### PROCEEDINGS

**A special issue of the scientific journal “Materials Science Forum” devoted to the MSMF-4 will appear in December 2004.** Papers for this issue will undergo a review procedure. Instructions for authors will be sent together with the 2<sup>nd</sup> Announcement.

### CONFERENCE FEE

The fee of nearly 250 € will cover the conference proceedings and organisation expenses. A slight change of this preliminary value cannot be excluded. Czech PhD students will pay a considerably reduced fee (about 100 €).