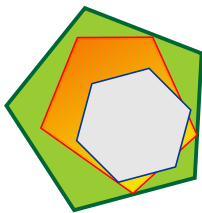


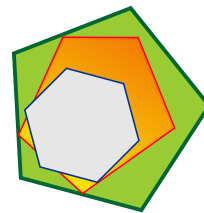
Second circular

4th International Conference

**MATERIALS STRUCTURE
&
MICROMECHANICS OF FRACTURE**



MSMF-4



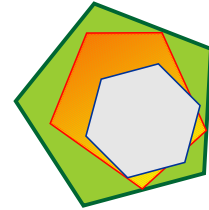
June 23 – 25, 2004



Brno

Czech Republic

Fourth International Conference on
Materials Structure & Micromechanics of Fracture
MSMF-4



Under the auspices of Prof. Jan Vrbka, rector of the **Brno University of Technology**
Organised by Faculty of Mechanical Engineering, **Brno University of Technology**

- Institute of Physical Engineering
- Institute of Materials Engineering

Sponsored by the Czech Society for New Materials and Technologies (**CSNMT**)

Approved by the European Structure Integrity Society (**ESIS**)

General Chairmen

Jaroslav Pokluda (Brno UT)

Ivan Saxl (MI Prague)

Jiří Švejcar (Brno UT)

International Advisory Board

Alberto Carpinteri (Torino)

Yuri Estrin (Clausthal)

Jozef Janovec (Ljubljana)

Ladislav Kubin (Chatillon)

Pavol Lukáč (Prague)

Ewald Macha (Opole)

Arthur McEvily (Storrs)

Jean Petit (Poitiers)

Vassilis Pontikis (Vitry-sur-Seine)

Karl Heinz Schwalbe (Geesthacht)

Mojmír Šob (Brno)

Václav Vitek (Philadelphia)

Masaharu Yamaguchi (Kyoto)

Suzanne Degallaix (Lille)

Z. Xiao Guo (London)

Arnold Krasowsky (Kiev)

Pavel Lejček (Prague)

Petr Lukáš (Brno)

Anna Machová (Prague)

Yukitaka Murakami (Fukuoka)

Reinhard Pippan (Leoben)

Jaroslav Polák (Brno)

Andrey Shaniavski (Moscow)

László Tóth (Miskolc)

Tadao Watanabe (Sendai)

Jozef Zrník (Košice)

Contact address

P. Šandera, Institute of Physical Engineering, FME Brno UT, Technická 2,
CZ-616 69 Brno, Czech Republic

Phone: (+420) 541142824, (+420) 541142821

Fax: (+420) 541142842

E-mail: sandera@ufi.fme.vutbr.cz

Web: <http://csnmt.fme.vutbr.cz/msmf>

SCOPE

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

VENUE

MSMF-4 will take place at the Faculty of Mechanical Engineering, Brno University of Technology, Technická 2, Brno-Žabovřesky, Czech Republic.

Brno lies in the central part of Europe, in the Czech Republic; it is the second largest city in the country (nearly 400 000 inhabitants). It is the centre of the province of Moravia, one of the historic lands of the Czech Crown.

Brno is situated in a picturesque countryside (190 – 425 m above sea level), surrounded on three sides by wooded hills and opening to the Southern Moravian lowlands.

Geographically, Brno is part of the Danube Basin and has many historical ties to the Austrian capital Vienna, which lies a mere 110 km to the south.

Brno enjoys a very pleasant, moderate climate, ideal for recreation and everyday living.

TRANSPORT

Brno occupies a strategic location in the contemporary European transportation network.

Road Network

The city is located at the crossroads of freeways D1 and D2 that form a part of the trans-european highways west to east (France - Ukraine: E 50), and north - south (Scandinavia - the Balkans: E 65).

Railways

The rail route from the Balkans to western Europe and Scandinavia passes through Brno (Budapest - Prague - Berlin). Brno is also a stop on the Euro-City Express route (Prague - Vienna). Time tables are available on <http://www.idos.cz/ConnForm.asp?tt=a&c1=E5>

Bus connections

Brno is connected with the majority of big towns in Europe. Many of the bus-lines go through Prague from where, between 5:00 am and 9:00 pm, the bus service is practically continuous. All connections can be found on <http://www.idos.cz/ConnForm.asp?tt=b&c1=E5>

Air connections

Current flights connect Brno only with Prague. The airport (IATA Code: ZDN) is only 7.5 km from downtown. All information are available on the web page http://www.airport-brno.cz/english/index_e.htm

The international airports in Prague and in Vienna serviced by international airlines are only about 2 hours car or bus ride away. All bus connections from Prague or Vienna are on <http://www.idos.cz/ConnForm.asp?tt=b&c1=E5>

LANGUAGE

English must be used for papers, posters and presentations at the Conference.

PROCEEDINGS

A printed Abstract Booklet of all the accepted contributions will be available at the beginning of the Conference. A special issue of the journal "Materials Science Forum" devoted to the MSMF-4 will appear in December 2004. Papers for this issue will undergo a review procedure. The expenses associated with these publications will be covered by the participation fee.

INSTRUCTIONS FOR AUTHORS

Following items are mandatory for each accepted contribution:

1. Extended abstract, size 1 page, prepared in electronic MS Word format, according to enclosed instructions (for the abstract booklet).
2. Manuscript for the special issue of the MSF journal according to enclosed instructions. Extend: 8 pages for plenary key-notes, 6 pages for section key-notes, 4 pages for standard contributions. One paper-copy should be submitted to the conference secretariat by surface mail (for review purposes). Authors should also keep electronic versions of their manuscripts (for eventual corrections suggested by a reviewer). Authors will be announced about the final acceptance of their manuscript, including further instructions.

PRESENTATION FORMAT

Oral presentations: 45 minutes for plenary key-note lectures, including discussion. In all sessions, 30 minutes for key-note lectures and 15 minutes for all the other contributions are assigned, including discussion. Overhead projector, slide projector and data projector (for video and computer) will be available and presentations prepared in Microsoft PowerPoint are also applicable. Private laptop computer can be connected as well. Requests for special facilities should be made to the MSMF-4 secretariat before 1st June.

Poster presentations: Posters 95 × 130 cm (w × h) will be arranged at the beginning of the conference. During the special time reserved for poster presentation the authors are asked to be present at their posters.

ACCOMMODATION

For a limited number of participants, the organizing committee can reserve an accommodation in the IMPS hotel near the faculty campus (walking distance 10 min), where very low-priced, double rooms of standard quality will be available. Both single and double rooms of higher quality can be also booked in the Continental hotel (city center) with substantial price discount for

conference participants. Participants are asked to mark the relevant days and the room type on the registration form and send it to the MSMF-4 secretariat **at their earliest convenience**.

Hotel*** Continental		Hotel** IMPS	
double room superior	1460 Kč	double room A	780 Kč
single room superior	1320 Kč	double room A	
double room standard	1320 Kč	<i>single use</i>	620 Kč
double room standard		double room B	680 Kč
<i>single use</i>	1113 Kč	double room B	
single room standard	900 Kč	<i>single use</i>	550 Kč

All prices are for 1 night including breakfast

Many other hotels of wide quality range are also available in Brno.

A standard lunch (equivalent of about 2€) will be provided at the conference site.

PARTICIPATION FEE

Before 30th April:

- 100€ 3200Kč postgraduate students from EU countries. The study statement (confirmed by the respective educational institute) is to be handed over at the registration desk,
- 100€ 3200Kč members of International Advisory Board of MSMF-4,
- 250€ 8000Kč** all other regular participants,
- 50€ 1600Kč accompanying persons.

After 30th April:

- 150€ 4800Kč postgraduate students from EU countries. The study statement (confirmed by the respective educational institute) is to be handed over at the registration desk,
- 300€ 9600Kč** all other regular participants,
- 75€ 2400Kč accompanying persons.

The participation fee covers the Proceedings (excluding accompanying persons), organising and administrative costs and refreshment during the conference time. The payment should be made according to instructions sent in the accompanying letter to individual participants. Please note that it is not possible to restore already paid participation fees.

Payments performed by Czech subjects should be made in the Czech currency (Kč).

ORIENTATION MAPS

Orientation maps will be available in a reasonable time before the beginning of the conference on its website. These maps will show the easiest route from the town centre to the conference and accommodation sites.

TIME SCHEDULE

Registration

Tuesday 22nd June 16:00 – 18:00 h.
Wednesday 23rd June 8:00 – 18:00 h.
Thursday 24th June 8:00 – 18:00 h.

Opening Ceremony

Wednesday 23rd June 9:30 h.

Conference Closure

Friday 25th June 14:00 h.

Three parallel part, at maximum, are supposed to be running during the conference time. A detailed program will be displayed on the conference website after 30th April.

SOCIAL ACTIVITIES

All participants and accompanying persons are invited to the following social activities:

WELCOME TOAST

Tuesday evening, 22nd June,
18:00 - 19:00,
Faculty of Mechanical Engineering,
free of charge

OUTLOOK EXCURSION

Wednesday evening, 23rd June,
18:00 - 19:00,
Top of the FME tower building,
free of charge

BANQUET

Wednesday evening, 23rd June,
20:00 - 22:00,
City Hall
free of charge

CONFERENCE DINNER

Thursday evening, 24th June,
19:00 - 23:00,
To be paid cash at the registration desk: **10 €**.

SPECIAL LADIES PROGRAM

Wednesday, 23rd June; Thursday, 24th June,
free for accompanying persons

Slight changes in the time schedule are not excluded.

MSMF-4 INTERNET PAGE

Updated information concerning the MSMF-4 Conference can be found at the following URL address:

<http://csnmt.fme.vutbr.cz/msmf>

