

First Announcement and Call for Papers

Deadlines

May 1, 2004 :

Submitting the Abstracts

May 31, 2004 :

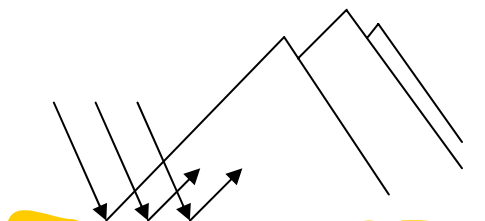
Second Announcement and
Programme

Aug.15, 2004 :

Registration and Payment

Oct. 3, 2004 :

Submitting the Manuscripts



FRACTOGRAPHY OF ADVANCED CERAMICS

2nd

International
Conference

October 3-6, 2004

Hotel Academia

Stará Lesná, The High Tatras

Poprad

SLOVAK REPUBLIC

**Institute of Materials Research,
SAS,
Košice, Slovakia**

Information

FAC 2004

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by courtesy of R.Bureš

THE AIM OF THE CONFERENCE is

- to provide a forum for researchers around the world to present papers on developments in the field of fracture characterization of recently developed advanced ceramic materials and ceramic matrix composites
- to promote the exchange of information between the research community, processing engineers and users in the field of production, design, and application of advanced ceramics from the point of view of their degradation and failure
- to discuss the possibilities of collaboration of Institutes and Companies from different European countries in the frame of the 6th Frame Work programme of EU in the field of development and testing of advanced ceramics.

Scope of the Conference

materials

- Monolithic ceramics – Al_2O_3 , ZrO_2 , Si_3N_4 , SiC , AlN , PZT , etc.
- Reinforced composites by ductile phase, particles, whiskers, etc.
- Nanocomposites
- Laminar/layered composites, gradient materials
- Fibre reinforced composites
- Porous ceramic materials
- Ceramic coatings

for structural, functional, biomedical, etc., application.

main topics

- Theory of the brittle failure
- Fractography in the material development
- Fractography and fracture mechanics

- Influence of temperature, environment and loading regime on the fracture
- Modelling and statistical evaluation of the fracture processes
- Quantitative fractography, fractal analysis
- Service failures and failure prediction
- Advanced methods/techniques in fractography

Venue

The conference takes place in the beautiful surroundings of the High Tatra mountains easy to reach by air (Košice airport), train, and road. Shuttle bus service will be arranged on request from Poprad train/bus station. Hotel Academia with the Conference centre offers all facilities for scientific programme and leisure.

Call for papers

The official language of the conference is English. Invited lectures, lectures, and poster presentations are planned. Authors are invited to register by submitting abstracts (max. 200 words) to our e-mail address:

fac2004@imrnov.saske.sk

or by sending abstracts together with the attached preliminary registration form. The deadline for receipt of abstracts is May 1, 2004.

Further information can be found on our web site: <http://www.imrnov.saske.sk/CONFER/fac2004.htm>.

The Conference Proceedings is planned to be published by Trans Tech Publ. Ltd. in the Key Engineering Materials series.