

**FAC 2013**  
Institute of Materials Research,  
Slovak Academy of Sciences  
Watsonova 47  
040 01 Kosice  
Slovak Republic

### *Deadlines*

**March 31, 2013 :** Submitting the Abstracts  
**May 1, 2013 :** Second Announcement and Programme  
**July 1, 2013 :** Early bird registration and Payment  
**August 1, 2013:** Registration and Payment  
**September 29, 2013 :** Submitting the Manuscripts

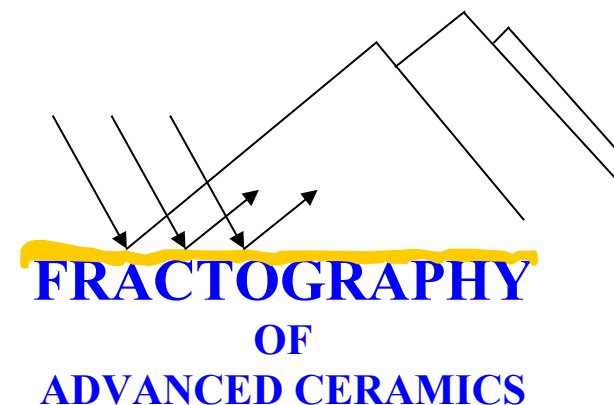
### *Information*

**FAC 2013**  
**Institute of Materials Research, SAS**  
**Watsonova 47, 040 01 Košice, Slovakia**  
**e-mail: [fac2013@imr.saske.sk](mailto:fac2013@imr.saske.sk)**  
**URL: [www.imr.saske.sk/CONFER/fac2013.htm](http://www.imr.saske.sk/CONFER/fac2013.htm)**  
**Phone: +421 / 55 / 792 2462 or 792 2463**  
**Fax: +421 / 55 / 792 2408**



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## **First Announcement and Call for Papers**



4<sup>th</sup>

### **International Conference**



<http://www.sss.sav.sk/>

**September 29 – October 02, 2013**  
**The Smolenice Castle**  
**Congress Center Smolenice SAS**  
**SLOVAK REPUBLIC**

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

**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 countries in the field of development and testing of advanced ceramics.

**Scope of the Conference**

**materials**

- Nanoceramics & Nanocomposites
- Functional ceramic materials
- Monolithic ceramics
- Reinforced composites by ductile phase, particles, whiskers, fibres etc.
- Laminar/layered composites, gradient materials
- Porous ceramic materials
- Ceramic coatings for structural, functional, biomedical, and other applications.

**main topics**

- Theory of the brittle failure
- Fractography in the materials 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
- Indentation failure/damage
- Service failures and failure prediction
- Advanced methods/techniques in fractography

**Venue**

The conference takes place in the beautiful surroundings of the eastern foothills of Low Carpatian (Malé Karpaty). The Smolenice castle is towered above the village of Smolenice easy to reach by air (Bratislava airport), train, and road. Shuttle bus service will be arranged on request from Bratislava train/bus station. Congress Center Smolenice offers all facilities for scientific programme and leisure.

**Organising Committee:**

- J. Dusza, R. Danzer, R. Morrell, G. Quinn  
(Co-Chairmen)  
A. Kovalčíková (Secretary)  
M. Kašiarová, L. Kvetková  
F. Lofaj, P. Hvizdoš  
A. Duszová

**International Advisory Board**

- |   |   |
|---|---|
| Austria – R. Danzer, T. Lube                          | Russia – S.M. Barinov                   |
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| Czech Republic – I. Dlouhý, Z.Jonšta                  | Slovakia – P. Šajgalik                  |
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| Hungary – J. Lendvai, Cs.Balázi                       | Turkey – S. Ozgen                       |
| Italy – G. de Portu, V.M.Sglavo                       | UK – R. Morrell,<br>M.J. Reece          |
| Japan – T. Ohji, J.Tatami                             | USA – R. Bradt, G. Quinn                |
| Poland – Z. Pedzich<br>H. Tomaszewski                 |   |

**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: [fac2013@imr.saske.sk](mailto:fac2013@imr.saske.sk), or by sending abstracts together

with the attached preliminary registration form. The deadline for submitting the abstracts is March 31, 2013. Further information can be found on our web site: <http://www.imr.saske.sk/CONFER/fac2013.htm>. The presented contributions are planed to be published by following Journals: *Journal of the European Ceramic Society, Engineering Fracture Mechanics and Powder Metallurgy Progress.*

**Preliminary Registration**

**4<sup>th</sup> International Conference**

**Fractography of Advanced Ceramics**

Name/Title.....

Address.....

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Phone.....

Fax.....

E-mail.....

I expect to attend the Conference:                      Yes      No

I plan to present a paper /poster entitled:

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Please print or type and return the form with abstract before March 31, 2013.