

Presentation Forms

The Meeting will include invited lectures and contributed papers (oral presentations and posters).

Proceedings

The presented papers, after review, will be published in the special issue of *Ceramics*, the journal edited by the Polish Academy of Sciences and the Polish Ceramic Society.

Language

The official language of the Meeting will be English.

Registration and Abstract Submission

Registration can be performed preferably on-line (<http://home.agh.edu.pl/~ptcer/TopicalMeeting>), by e-mail (ptcer@uci.agh.edu.pl) or by letter.

The same ways should be used to submit a short (150-200 words) abstract.

Conference Fees

	deadline 30.04.2006	
	before	after
Member of ECerS	400 €	450 €
Non-member	450 €	500 €
Student	250 €	300 €
Accompanying Person	200 €	250 €

Fees include: participation in the sessions, coffee breaks, lunches, conference materials, proceedings, taxes and participation in the social programme (Welcome Cocktail, Banquet).

Important Dates

01 October 2005 - Start of pre-registration;

31 January 2006 - Second Announcement;

28 February 2006 - Deadline for abstract submission;

15 March 2006 - Notification for abstract acceptance;

30 April 2006 - Early fee deadline;

First Announcement
and
Call for Paper

Reliability of Ceramics

ECerS
TOPICAL MEETING

Cracow 17-20 September 2006

Organized by
the Polish Ceramic Society



Registration Form

First Name(s):

Family Name:

Mr. Mrs. Dr. Prof.

Affiliation:

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Address:

City:

Postal Code:

Country:

E-mail:

Phone:

Fax:

Title of the Paper:

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Type of Presentation:

Oral Poster Session

Scope of the Meeting

The "Reliability of Ceramics" ECerS Topical Meeting is organised to provide a forum for researchers and engineers bringing together the scientists working on the problems of reliability and reproducibility of ceramics. The subjects of the Meeting will concern traditional and advanced materials. The Meeting will be a good opportunity for presentation of results on various stages of conceptualization, research and development.

Chairman

Krzysztof Haberko - President of PCS

Organizing Committee

Mirosław M. Bućko Zbigniew Pędzich

Waldemar Pyda Łukasz Zych

Main Topics

Section A: *Fundamentals*

- Theory, modelling and simulation;
- Statistical methods;
- Testing methods;
- Microstructural aspects of material reliability;
- Life-time assessment to new material design and production;

Section B: *Classical and Structural Ceramics*

- Creep behaviour;
- Slow crack growth;
- Superplasticity;
- Failure mechanisms, reliability, degradation and ageing of classical ceramics;

Section C: *Functional Ceramics*

- Stability of electrical properties of sensors and actuators, materials for SOFC, dielectrics and electronic devices;
- Stability of magnetic properties of ferrites and CMR materials;
- Stability of optic, electro-optic and magneto-optic materials and devices;
- Durability of porous ceramics, membranes, filters and microreactors;

Section D: *Bioceramics*

- Chemical stability of bioceramics in biological environment;
- Mechanical performance of biomaterials in vitro and in vivo environment;

Section E: *Glass and Enamels*

- Crystallization and thermal stability;
- Internal strain formation and relaxation;
- Chemical durability;

Section F: *Degradation of Ceramics and Glasses*

- Corrosion of ceramics and glasses in natural and aggressive environments;
- Wear resistance of ceramics;
- Processing dependence of ceramic stability;

Time and Venue

The Meeting will be held in Cracow, Poland, September 17 – 20, 2006. Sessions will take place at the AGH-University of Science and Technology located near the historical center of the city.

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