

6th International Workshop

on

Direct and Inverse Problems in Piezoelectricity

Schloss Seggau, Austria, August 23rd-26th 2010

Organisers

Hannes Grünbichler, Marco Deluca (Materials Center Leoben Forschung GmbH)

Scope

Piezoelectric materials are widely used in many applications and are still of growing interest for sensing or actuating purposes. Thus, it is of great importance to clarify the open fundamental problems in theory, numerical simulations, manufacturing details and material performance.

The aim of this workshop is to bring together researchers from different disciplines (mechanics, mathematics, material science) and from the industry. Lectures and discussions on various aspects of piezoelectricity will provide an overview of the state of the art and will inspire theoretical research and practical applications.

The workshop is open to all scientists interested in these issues.

The topics cover:

- Inverse problems, e.g. parameter identification, eigenfrequencies and corresponding numerical methods
- Theoretical problems, e.g. constitutive properties, hysteresis-phenomena, polarisation
- Discussion of damage, cracks and reliability, and corresponding numerical simulations
- Advanced material characterisation
- Applications, industrial challenges, manufacturing

The sixth workshop on piezoelectricity should continue and extend the previous ones that were animated by lively discussions from many participants.

Programme

Arrival of all participants is suggested on Monday, lectures will take place from Tuesday to Thursday (noon).

The length of the talks is set to 30-45 min, depending on the number of participants and their wishes.

Accommodation and fees

The workshop will take place at Schloss Seggau, Seggauberg 1, 8430 Leibnitz, Austria

<http://www.seggau.com>

A map how to get there can be found on <http://www.seggau.com/site/330/default.aspx>

The accommodation and meals (full board) will cost 350 EUR. There will be no additional registration fee. Please pay cash at the venue.

Registration and deadlines

Please send us a registration E-mail as soon as possible indicating whether you will take part. Furthermore, we are ready to receive the abstracts of your contributions. Please send the title of your talk and the completed abstract as *.doc-file to piezo@mcl.at.

The deadline for the registration E-mail is scheduled for April 18th 2010. The abstract submission is open until May 31st 2010.

Contact and information

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