



Advanced Processing for Novel Functional Materials - APNFM 2008
23 - 25 January 2008
International Congress Center Dresden, Germany

Advanced Processing for Novel Functional Materials APNFM 2008

Second Circular

It is a great pleasure for the organising committee of the International Conference “**Advanced Processing for Novel Functional Materials - APNFM 2008**” to invite all who are interested in novel inorganic functional materials and related research fields to attend APNFM 2008 to be held in Dresden, Germany. APNFM 2008 is scheduled for January 23 to 25, 2008 (Wednesday to Friday).

Location, Access, Accommodation

The conference venue is the International Congress Center Dresden, situated in the UNESCO World Heritage region close to the river Elbe. All conference activities are conveniently located at the Congress Center's site. It can be easily accessed from Dresden international airport or Dresden central station.



The following website offers useful information, including maps, public transportation information, sightseeing spots etc.: http://www.dresden.de/index_en.php

A small contingent of rare tickets for special cultural events (e.g. to visit the Historic Green Vault, http://www.skd-dresden.de/en/museen/gruenes_gewoelbe.html) is available.

Please ask for availability and prices at info@apnfm.de

Conference participants are expected to make their own accommodation reservation in Dresden. Detailed information is available on the conference homepage: <http://www.apnfm.de/>

Scientific Program

The scientific program includes plenary lectures, invited lectures, invited talks and posters, categorized into the following research areas:

- Technology, chemistry, physics and engineering of amorphous, nanostructured, polycrystalline, single-crystalline and layered functional materials
- Preparation of nano-powders, rapid solidification, mechanical alloying, severe plastic deformation, new processing concepts
- Nanopowder consolidation, sintering, Spark Plasma sintering, Microwave sintering, shock compaction
- Characterization techniques
- Diamond tools, hard metals, cermets
- Thermoelectrics, Piezoelectrics, magnetic materials
- Nanostructured and ultra-fine grained materials, Nanocomposites, Catalysts
- Materials for thermal management, Electrical/Electronic materials
- Hydrogen storage materials

The following scientists already accepted the invitation to present lectures at APNFM 2008

Plenary Lectures

Prof. Dr. Z. A. Munir (University of California, Davis, USA)

to be announced

Dr. G. Gille (H.C. Starck GmbH, Germany)

Particle design - A Core Technology for Novel and Advanced Functional Materials

Keynote Lectures

Dr. H. Böttner (Fraunhofer Institut für Physikalische Messtechnik, Germany)

Nanotechnological concepts for new thermoelectric materials

Prof. Dr. M. Willert-Porada (University of Bayreuth, Germany)

Does the process influence functional properties upon microwave treatment of materials?

Prof. Dr. H. Bolt (Max-Planck-Institut für Plasmaphysik, Germany)

Materials for the plasma-facing components of fusion reactors: requirements, processing and materials behaviour during operation

Prof. Dr. W. Lengauer (Vienna University of Technology, Austria)

to be announced

Prof. Dr. G. Pezzotti (Kyoto Institute of Technology, Japan)

Advanced spectroscopy for mechanical properties investigations of ceramic materials

Prof. Dr. A. R. Pyzalla (Max-Planck-Institut für Eisenforschung, Germany)

to be announced

Prof. Dr. M. Antonietti (Max-Planck-Institut für Kolloid- und Grenzflächenforschung, Germany)

Synthesis and properties of oxidic and nitridic nanoparticles

Prof. Dr. C. Christensen (Technical University of Denmark, Denmark)

to be announced

Dr. C. Vahlas (Institut Carnot-CIRIMAT, France)

Oxidation resistance improvement of turbine materials by metal organic chemical vapour deposited coatings

Prof. Dr. L. Schultz (Leibniz-Institut für Festkörper- und Werkstoffforschung Dresden, Germany)

to be announced

Exhibition and Equipment Session

Beside the scientific program an equipment session allows companies to display items relevant to the processing of novel functional materials. Vendors who would like to take part are kindly asked to submit their request to: info@apnfm.de

Registration and Fees

All those who would like to attend APNFM 2008 are requested to finish registration and payment before December 1, 2007.

Conference fee	Before December 1, 2007	After December 1, 2007
Regular	573 EUR	623 EUR
Conference dinner	60 EUR	60 EUR
Accompanying persons	60 EUR	60 EUR

We try to reduce the conference fee for students and regular participants after submitting an application (forms are available at the conference secretary during the conference). The general possibility and the amount of reduction depend on the number of participants and sponsors.

The registration fee includes a printed Book of Abstracts which will be distributed to the attendees during the conference. Proceedings of the conference will be distributed after the conference.

Abstract Submission

Abstract submission (150 words) for all presentations, including talks and posters should be submitted via the website (<http://www.apnfm.de>) not later than September 15, 2007. All submitted abstracts will be reviewed by the program committee. Post-deadline papers will be considered, but they will not be included in the Book of Abstracts.

Important Deadlines	
Deadline for abstracts submission:	September 15, 2007
Acceptance information will be sent:	from October 8, 2007
Deadline for paper submission:	January 23, 2008

Conference organisers



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We look forward to welcome you at APNFM 2008!