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1st Circular



10th International Conference on Ceramic Processing Science (ICCPS-10)

Inuyama International Sightseeing Center

Inuyama, Aichi, JAPAN

May 25-28, 2008

Endorsed by



The Ceramic Society of Japan (CerSJ)
The American Ceramic Society (ACerS)
(Tentative)



Invitation

We are pleased to invite you to join the **10th International Conference on Ceramic Processing Science, ICCPS-10**. The conference is scheduled on **25-28 May 2008**.

The purpose of the conference is to bring together scientists, engineers, research staff, and students from universities, research institutes and related industrial companies, in the field of ceramic-based materials. **The activities at the conference** will be enhanced with plenary and invited lectures given by internationally distinguished scientists, oral and poster presentations, covering a broad range of fundamental and applied topics, such as colloid and surface chemistry, powder synthesis, precursor-derived systems, sol-gel processing, forming and sintering. A number of studies are still demanded to elucidate the scientific bases of conventional fabricating processes as well as the emerging areas of nanotechnology and its associated challenges, nanoparticle synthesis, micro-patterning, inorganic-organic hybridization, rapid sintering, and densification of systems of complex shape and multimaterial combinations. The conference also focuses on application and advances of ceramic processing science to extremely fine scale multilayer ceramic components, transparent ceramics, electronic ceramics, materials for fuel cells and secondary batteries, thin films, bioceramics and structural ceramics.

Chairs

Shin-ichi Hirano, Nagoya University (Chair)
Gary L. Messing, Pennsylvania State University (Co-chair)
Ludwig Gauckler, ETH Zurich (Co-chair)

Meeting Topics

- ▼ Powder synthesis with special emphasis on controlled synthesis techniques
- ▼ Colloid dispersion and surface modification
- ▼ Patterning, templates and self assembly
- ▼ Precursor thin film processes in solutions
- ▼ Reaction-based processes
- ▼ Biomimetic and bioinspired processing
- ▼ Computational tools applied to processing
- ▼ Inorganic-organic hybridization
- ▼ Novel processing methods and techniques
- ▼ Wet and dry shaping methods including prototyping techniques
- ▼ Densification (nanoscale, multimaterial, complex shapes, novel approaches)
- ▼ Nanoscale and microscale design of microstructure
- ▼ Nanotechnology-assisted fabrication of devices
- ▼ Novel characterization and imaging tools

Meeting Format

The conference will consist of keynote lectures, invited lectures, and oral contributions. Poster session will also be organized. The official language of the conference is English.

Venue

The conference will be held in the **Inuyama International Sightseeing Center “Freude”** (http://www.city.inuyama.aichi.jp/english/kokusai_kouryuu/FREUDE_E/index.html) located in the downtown. This nicely located place is easily reached from Meitetsu Inuyama Station (3 minutes walk). **Inuyama** in the vicinity of Nagoya city, at the center of Japan, is distinguished by the beautiful Kiso river, a historical castle, and hot springs (“Onsen”), with possibilities for recreation and entertainment (<http://www.city.inuyama.aichi.jp/english/index.html>). **It is located approximately 70 km-north of Central Japan International Airport (Nagoya, “Centrair”)** (<http://www.centrair.jp/en/index.html>), which has connections with most major airports in Japan and world.

Important Dates

Important dates, such as abstract deadline, notification of acceptance, proceedings submission, and early registration, will be announced in 2nd circular and official web site.

Proceedings

Proceedings of the meeting will be published in a **CD-ROM** version including all submitted papers which will be delivered to the participants. Furthermore, selected papers will be published in *Journal of the American Ceramic Society* after usual reviewing processes.