

**First Announcement and Call for Papers**

**Osaka University**



**International Conference  
on  
Advanced Structural and  
Functional Materials Design**

**2008**

**10-12 November 2008  
Hotel Hankyu Expo Park  
Osaka, Japan**

**Sponsored by**



高度・機能先進材料デザイン  
教育研究拠点 Osaka University  
**ASFM**  
Advanced Structural and Functional Materials Design  
Global COE Program

**Global COE Program  
Osaka University**

**Center of Excellence for Advanced Structural and Functional Materials Design**

**<http://www.mat.eng.osaka-u.ac.jp/gcoe/>**

## SCOPE

The preceding 21st Century COE Program (Phase I) successfully opened the new academic field of advanced structural and functional materials by bringing together researchers in diverse fields. The present COE Program (Global COE, Phase II) is built on the both educational and research programs achieved in the 21st Century COE Program (Phase I). The goal is to make the Global COE, the world-leading center in materials science and engineering. We target on a wide range of hard-condensed materials (e.g., crystalline materials such as metals, ceramics and semiconductors) and encompass a broad scope of academic fields, which include physical properties, mechanisms of functions, manufacturing processes, materials structure, characterization of macro-, micro- and nano-structures, evaluation of functionality, joining process and material recycling flow in society. The research program is focused on design and development of the advanced materials with a strong awareness of materials production and application. Furthermore, we propose novel advanced materials attaining characteristics of combined structural and functional properties.

The aim of this international conference is to report the scientific progress in our Global COE program and also to discuss related research topics. The organization committee invites you to participate in this conference to present your recent results and to discuss with our COE members and also with international attendee.

**Professor Tomoyuki Kakeshita**

Chairman of the Conference  
Division of Materials and Manufacturing Science  
Graduate School of Engineering  
Osaka University

Leader of Global COE Program  
"Center of Excellence for Advanced Structural and Functional Materials Design"

## SPONSOR

Global COE Program, Osaka University, "Center of Excellence for Advanced Structural and Functional Materials Design", supported by Ministry of Education, Culture, Sports, Science and Technology.

## ORGANIZATION

### Chairman:

T. Kakeshita (Osaka University)

### Advisory Board:

T. Kishi (NIMS), H. Mehrer (Autonomous University of Madrid), M. Okada (Tohoku University), H.-E. Schaefer (University of Stuttgart), P. Veysiere (CNRS-ONERA)

### Organizing Committee :

T. Kakeshita, H. Araki, H. Fujii, S. Fujimoto, Y. Fujiwara, A. Hirose, S. Kirihara, M. Mochizuki, H. Mori, T. Nagase, H. Nakajima, T. Nakano, R. Nakatani, K. Nogi, Y. Setsuhara, Y. Shiratsuchi, T. Tanaka, T. Terai, H. Tsuchiya, N. Tsuji, H. Utsunomiya, H. Yasuda, H. Yasuda (Osaka University)

### Executive Committee:

T. Kakeshita, S. Fujimoto, Y. Fujiwara, A. Hirose, T. Tanaka, H. Yasuda (Osaka University)

### Conference Secretariat:

Y. Fujiwara (Osaka University)

## TOPICS

1. Advanced structural materials and applications
2. Advanced functional materials and applications
3. Advanced structural functional materials and applications
4. Advanced processing and materials characterization

## STYLE OF PRESENTATIONS

Plenary Lectures, Oral Presentations, and Poster Presentations

## CALL FOR PAPERS

**Abstract Submission:** Those who wish to present either oral or poster presentations are required to submit one page abstract by August 29, 2008 to the conference secretariat. Accepted abstracts will be printed in a booklet and distributed to all participants at the start of the conference.

**Abstract Format:** 250~350 words, A4 one page, 25 mm margins all round, Times Roman 12pt. Abstract should contain title of paper, author(s) full name(s) (paper speaker should be underlined), affiliation and mailing address of each author, and e-mail address of the corresponding author. Authors are requested to submit the abstract by e-mail as attached Microsoft Word and PDF document files. Abstracts should be addressed to: jim-coe@mat.eng.osaka-u.ac.jp

## PUBLICATION

A proceedings volume is planned to be published in an issue of Journal of Physics; Conference Series as peer-reviewed papers.

## DEADLINE

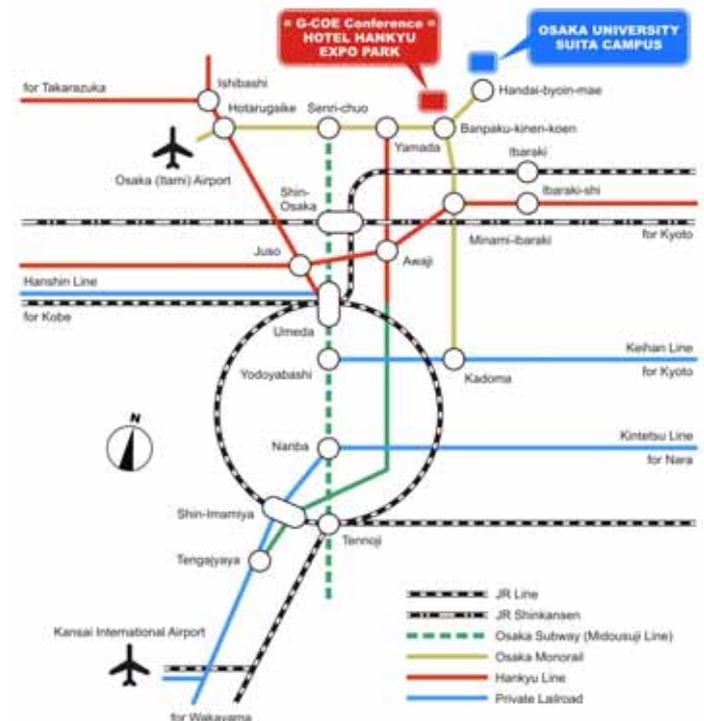
August 29, 2008	Abstract submission
September 30, 2008	Notification of acceptance
November 11, 2008	Full paper submission

## CORRESPONDENCE

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## VENUE



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