

***The 5th International Symposium on
Designing, Processing and Properties of Advanced Engineering Materials
ISAEM-2012***

and

***The 3rd Advanced Materials Development and Integration of Novel Structured Metallic
and Inorganic Materials
AMD13***



**November 5-8, 2012
Hotel Nikko Toyohashi, Aichi, Japan**

Organized by

176th Committee on Process Created Materials Function,
Japan Society for the Promotion of Science

Supported by

Japan Society for the Promotion of Science

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Prof. M. Ninomi (Tohoku University)

Executive Chairman

Prof. H. Toda (Toyohashi University of Technology)

Website of ISAEM-2012

<http://martens.me.tut.ac.jp/176/ISAEM2012>



Scope of the Symposium

The roles of materials science and engineering in our society are growing up continuously in a global scale. Emerging technologies on every front necessitate the invention of new materials and methods to fabricate them. This symposium is the 5th in a row; the 1st ISAEM was held in 1997 in Toyohashi, Japan, the 2nd in 2000 in Guilin, China, the 3rd in 2003 in Cheju, Korea and the 4th in 2008 in Nagoya, Japan. Following the success of the last four symposiums, the aim of **ISAEM-2012** is to provide an interactive forum for discussion of designing, processing and properties of advanced engineering materials of metals, ceramics and polymers. A key word is the materials function created by processing.

Topics

- Material Processing
- 3-D Imaging
- Materials Simulation
- Biomedical Materials
- Ceramics
- Polymeric materials

Tentative List of Plenary Speakers

M. Doi (Tokyo Univ., Japan)
C.R. Hutchinson (Monash Univ., Australia)
K.H. Kim (Kyungpook National Univ., Korea)
Y. Kawamura (Kumamoto Univ., Japan)
G. Malucelli (Politecnico di Torino, Italy)
S.S. Ray (DST/CSIR Nanotech. Innovation Centre, South Africa)

A. Rollett (Carnegie Mellon Univ. USA)

A. Roosen (Univ. Erlangen-Nuremberg, Germany)

P. Voorhees (Northwestern Univ., USA)

S. Zaefferer (Max-Planck-Institut GmbH, Germany)

Venue

The symposium will be held in the Hotel Nikko Toyohashi in Toyohashi, Aichi, Japan. Toyohashi city is located in the central part of Japan, and easily accessible both from Tokyo and Osaka by Shinkansen Super Express.

Call for Papers

The symposium will be based on plenary speakers, keynote speakers, invited speakers and contributed posters.

Those who wish to contribute to the symposium are asked to submit a one-page English abstract in camera-ready form before **June 30, 2012**. An abstract book will be published. The abstract should be sent by e-mail as an attachment file in PDF format or MS Word format to Correspondence. The sample format of the abstract is available on the symposium website. The authors will be electronically notified of acceptance for presentation by **July 31, 2012**.

Some of the authors whose abstract is accepted, can submit their papers to Materials Transactions (SCI journal) by the Japan Institute of Metals. After **peer-review**, the selected papers will be published in the special issues. The publication charge of the papers is shown in the website of the Japan Institute of Metals:

<http://www.sendai.kopas.co.jp/METAL/rule.html>

Joint meeting

Internal meeting will be held during the symposium to encourage young researchers, engineers and students through informal and free discussions with several distinguished scientists invited. The meeting will focus on the collaboration between experimental approaches and computer simulations in the fields of biomaterials and polymer materials.

Registration

Please mail or FAX completed registration form and the proof of payment to the Correspondence. The registration can be also made through the symposium homepage. A reduced registration fee is applied before **August 31, 2012**.

Registration Fee	Before August 31, 2012	After August 31, 2012
Regular Participants *	¥35,000	¥40,000
Students *	¥10,000	¥12,000
Ticket for Banquet	¥2,000 (Accompanying person)	¥2,000 (Accompanying person)

*: fee covers a collected abstract book, refreshments during the symposium and a ticket for banquet.

Cancellation Policy: Refund will be honored only if notification, by FAX or e-mail, is made to the correspondence or secretariat by **September 30, 2012**.

Important Dates for the Symposium

Abstract: **June 30, 2012**

Notification of accepted abstract: **July 31, 2012**

Correspondence

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More Information

More detailed information will appear on the symposium website. <http://martens.me.tut.ac.jp/176/ISAEM2012/>

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