

Call for Papers

# ASMP2012

The 3rd Asian Symposium on Materials & Processing 2012



## Venue and Conference Date

Indian Institute of Technology Madras, Chennai, India

August 30-31, 2012

## Topics covered

**Conference topics will be presented in oral and poster format. Oral sessions will include plenary, invited and contributed papers. Topics include but not limited to:**

- Advanced Materials
- Metals, Ceramics, Polymers and Composites
- Smart Materials and Structures, Functional Materials
- Materials Processing, Forming, Casting and Machining
- Powder Metallurgy, Adhesion and Interface, Welding and Bonding
- Nanofabrication and Nano/Micro/Meso Manufacturing Processes
- Advanced Manufacturing
- Micro and Nano Technology in Materials and Processing
- Mechanical Properties, Fracture and Reliability
- Dynamic Behavior of Materials and Structures
- Materials Characterization and Measurement Techniques
- Non-Destructive Testing and Evaluations, Monitoring and Sensing Technology
- Modeling, Analysis and Simulation in Materials and Processing

## Deadlines

Submission of Abstracts : February 29, 2012  
Notification of abstract acceptance : March 31, 2012  
Submission of extended abstracts : April 30, 2012



Organised by Indian Institute of Technology Madras  
Division of Materials & Processing, Japan Society of Mechanical Engineers  
Co-organised by Materials & Mechanics Division, Japan Society of Mechanical Engineers

<http://www.asmp2012.com>

## Welcome to ASMP2012

The 3rd Asian Symposium on Materials & Processing, ASMP2012, will be held from August 30 to 31, 2012 in Chennai, India. This is the 3rd in the series of ASMP (1st and 2nd were held in Bangkok, Thailand and Penang, Malaysia, respectively). The aim of the symposium is to enhance mutual collaboration for higher research level and activity in the fields of Materials and Processing Engineering in Asian region. The symposium will become a perfect platform to share, discuss and exchange ideas on the latest development and recent findings in research studies related to advanced materials and processing among international participants. We would like to cordially invite you to ASMP2012.

## Conference Committee Members

### *Symposium Chair:*

Prof. Y. Mutoh, Executive Director, Vice President, Nagaoka University of Technology, Japan

### *General Chair:*

Prof. I. Ihara, Nagaoka University of Technology, Japan

Prof. M. Kamaraj, Indian Institute of Technology Madras, India

### *Co-General Chair:*

Prof. S. Hata, Tokyo Institute of Technology, Japan

Prof. R. Gnanamoorthy, IIT D & M, Kancheepuram, India

### **International Advisory Committee:**

Prof. N. Ohtake (Chair), Tokyo Institute of Technology, Japan

Prof. G. Sundararajan (Chair), International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI), India

Prof. H. Asanuma, Chiba University, Japan

Prof. M. Hayashi, Ibaraki Pref. Office, Japan

Dr. M. D. Mathew, Indira Gandhi Centre for Atomic Research, India

Prof. Krishnan Balasubramaniam, Indian Institute of Technology Madras, India

Dr. G. Malakondaiah, Defence Metallurgical Research Laboratory, India

Dr. S. Srikanth, CSIR-National Metallurgical Laboratory, India

Prof. K. Bhanu Sankara Rao, University of Hyderabad, India

Prof. Jian Cao, Northwestern University, USA

Prof. Ahmad Fauzi Mohd Noor, Universiti Sains Malaysia, Malaysia

Dr. Zainuddin Sajuri, Universiti Kebangsaan Malaysia, Malaysia

Dr. Iswadi b. Janhari, University Malaya, Malaysia

Prof. Alberto Amorsolo, University of Philippines, Philippines

Prof. Chaosuan Kanchanomai, Thammasat University, Thailand

Dr. Paritud Bhandubanyong, Technology Promotion Association, Thailand

Prof. Jin Quan Xu, Shanghai Jiaotong University, China

Prof. Jie Zhao, Dalian University of Technology, China

Prof. Mardjono Siswosuwarno, Bandung Institute of Technology, Indonesia

Prof. Syoni Soepriyanto, Institute of Technology Bandung, Indonesia

Prof. John Pang, Nanyang Technological University, Singapore

Prof. Yong-Jai Kwon, University of Ulsan, Korea

### **Regional Organizing Committee:**

Prof. R. Sarathi (Chair), Indian Institute of Technology Madras, India

Prof. S. Ganesh Sundara Raman (Chair), Indian Institute of Technology Madras, India

Dr. S. Seetharamu, Central Power Research Institute, India

Prof. V.S. Raja, Indian Institute of Technology Bombay, India

Dr. D. Ravi Kumar, Indian Institute of Technology Delhi, India

Dr. B. Venkataraman, Defence Metallurgical Research Laboratory, India

Dr. S. Senthilvelan, Indian Institute of Technology Guwahati, India

Dr. Kantesh Balani, Indian Institute of Technology Kanpur, India

Dr. Satyam Suwas, Indian Institute of Science Bangalore, India

Dr. U.T.S. Pillai, National Institute for Interdisciplinary Sciences and Technology, Trivandrum India

### **Scientific & Program Committee:**

Prof. C. Satoh (Chair), Tokyo Institute of Technology, Japan

Prof. N. J. Vasa (Chair), Indian Institute of Technology Madras, India

Prof. K. Kaneko, Tokyo University of Science, Japan

Prof. M. Itabashi, Tokyo University of Science, Suwa, Japan

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Prof. H. Kawada, Waseda University, Japan

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Prof. H. Miura, Kyushu University, Japan

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Dr. T. Murai, Japan Science and Technology Agency, Japan

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Prof. M. Ohtsu, Fukui University, Japan

Prof. H. Kobayashi, Osaka University, Japan

Prof. S. Ogiwara, Tokyo University of Science, Japan

Prof. K. Shinagawa, Kagawa University, Japan

Prof. S. Wakayama, Tokyo Metropolitan University, Japan

Dr. S. Kishimoto, National Institute for Materials Science, Japan

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Prof. K. Kitamura, Nagoya Institute of Technology, Japan

Prof. M. Muraoka, Akita University, Japan

Prof. M. Yang, Tokyo Metropolitan University, Japan

Prof. M. Takahashi, Ehime University, Japan

Prof. Y. Okaba, The University of Tokyo, Japan

Prof. W. Nakao, Yokohama National University, Japan

Dr. I. Matsuya, Nagaoka University of Technology, Japan

## Presentations

Oral and poster sessions are planned. In the event of a large number of accepted papers, some will be assigned to poster sessions. This determination will be made by the conference committee.

## Submission of Abstract

Authors should submit an abstract NOT exceeding 300 words, no later than February 29, 2012, through the conference website including 1) Paper title, 2) Authors' names, 3) Affiliation, 4) Job title, 5) Mailing address, 6) Phone and fax, 7) E-mail address, and 8) Five key words. Format of abstract can be downloaded from the conference website. After reviewing process by the conference committee, authors will be notified of acceptance or rejection of their abstracts by March 31, 2012.

## Preparation of Proceeding Papers (Extended Abstract)

Conference proceedings will be published by JSME and IIT Madras. Authors should submit the proceeding paper (2 pages including figures), no later than April 30, 2012, through the conference website. After reviewing process by the conference committee, authors will be notified of acceptance or modification of their papers. Accepted papers will appear on the ASMP2012 Conference Proceeding. Details will be available on the conference website.

### Journal Publication:

Participants of ASMP2012 can submit papers to the Special Issue on the Asian Symposium on Materials and Processing (ASMP2012) of Journal of Solid Mechanics and Materials Engineering (JSME International Journal). The issue will be published in March 2013.

The 3rd Asian Symposium on Materials & Processing

### REGISTRATION FORM:

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Address: \_\_\_\_\_

Title of Paper 1: \_\_\_\_\_

Title of Paper 2: \_\_\_\_\_

Email: \_\_\_\_\_

Tel: \_\_\_\_\_

Fax: \_\_\_\_\_

Presentation:

Oral

Poster

Participant

Completed forms are to be send by fax or e-mail to:

Fax: +81-258-47-9770 (Japan) or +91-44-22574752 (India)

E-mail: miyayuki@mech.nagaokaut.ac.jp or ihara@mech.nagaokaut.ac.jp or  
shata@pi.titech.ac.jp or sbakshi@iitm.ac.in

### DEADLINE:

February 29, 2012  
(Submission of Abstract)



## Location

### Chennai City:

Situated on the east coast, Chennai, the fourth largest of the Indian Cities is the capital of the state of Tamil Nadu. <http://www.webindia123.com/city/tamil/chennai/intro.htm#>



National Art Gallery

Valluvar Kottam

Kapaleeshwarar Temple

### Travel Guide:

Chennai has an airport with both domestic and international terminals. The Kamaraj Domestic Airport and the Anna International Airport are located at Tirusulam, 7km south of Chennai. The city has representation of almost all airlines of the world. Many major international airlines have regular direct flights to Chennai. Domestic airlines operate daily flights to all major cities of the country from the domestic terminal.

### IIT Madras:

IIT Madras is located in the city of Chennai which is also the state capital of Tamil Nadu, a southern state in India.

IIT Madras is situated on Sardar Patel Road and is flanked by Adyar, Taramani and Velachery.

The campus is opposite to the Central Leather Research Institute and Anna University. The campus is around 14 km from the Central Railway station. Adyar is the nearest bus terminus to the campus. The Institute in itself is located around 2.5 km inside the campus. Two parallel roads, Bonn Avenue and Delhi Avenue, lead you through the residential zone, under a canopy of green, to Gajendra Circle (otherwise called GC) and the administrative block.

Campus map of IIT Madras is following; <http://www.iitm.ac.in/campusmap>



## Important Dates (Deadlines)

Submission of Abstract: February 29, 2012  
Notification of Abstract Acceptance: March 31, 2012  
Early registration: April 30, 2012  
Submission of Extended Abstract: April 30, 2012  
Late registration: June 30, 2012  
ASMP2012 conference: August 30-31, 2012  
Submission of Manuscript of the JSME International Journal: September 30, 2012

## Conference Websites

<http://www.asmp2012.com> (in English)  
<http://www.jsme.or.jp/mpd/asmp2012/index.html>  
(in Japanese)

## Registration Fee\*

Delegate from India Rs. 6000  
Student delegate from India Rs. 3000  
Early registration (before April 30, 2012), USD 300  
(JPY 30,000 for Participants from Japan)  
Late registration (before June 30, 2012), USD 350  
(JPY 35,000 for Participants from Japan)  
Student, USD 150 (before April 30, 2012)  
(JPY 15,000 for Participants from Japan)

The fee includes attendance at all scientific sessions, conference proceedings, lunch & tea breaks and Symposium dinner. The fee does NOT include charges for tour and is limited to maximum of 2 papers. Authors who wish to submit more than 2 papers have to pay separately.

(\*Registration fees are subjected to minor changes if necessary. See the conference website for final details.)

## Conference Secretaries

### Prof. Yukio Miyashita

Nagaoka University of Technology, Japan

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Chennai – 600 036, India Tel : +91-44-22574781, Fax: +91-44-22574752 Email: [sbakshi@iitm.ac.in](mailto:sbakshi@iitm.ac.in)

Inquiries, suggestions and comments regarding all aspects of the conference can be addressed to the general contact point by using the e-mail.