

PLACE AND VENUE

The conference will be held in Nara, Japan, hosted by Osaka Institute of Technology. The city of Nara is located at about 50km from Osaka. Nara was the cradle of the great Japanese arts and the essence of culture in the long-ago Tempyo Period (724–794). The old, world-famous temples and shrines of the province of Yamato (presently Nara Prefecture) have handed down to us their precious history.

The conference will take place in Nara prefectural new public hall, which is located in the center of Nara National Park. The hall has an impressive Noh theatre, which in the opening ceremony will be held, conference rooms, a reception hall for the conference banquet and a spacious garden. There are many historical cathedrals such as Todaiji Temple and Kasuga Grand Shrine within walking distance from the hall.



Nara Prefectural New PublicHall

Noh theatre



IMPORTANT DATES

March 31, 2014: Submission of abstract

April 30, 2014: Notification of acceptance

June 31, 2014: Submission of 4-page paper

PABLICATION OF FULL PAPERS

Selected papers will be published in ACTA MECHANICA through a regular review process.

Organized by Osaka Institute of Technology

If you have some questions, please contact us with E-mail.

E-mail : acmfms@med.oit.ac.jp

More information of the conference will be posted to the conference webpage.
<http://www.oit.ac.jp/med/~acmfms2014/>

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ACM

Asian Conference on Mechanics of

FMS

Functional Materials and Structures

2014

October 10-13 in Nara, Japan

AIM

The Fourth Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS 2014) is the successor of the First, the Second and the Third conferences held at Matsue, Japan in 2008, Nanjing, China in 2010, Delhi, India in 2012, respectively. The aim of this conference is to provide a forum for researchers and academics, particularly from East Asia and neighboring region, to interact, exchange ideas and establish relationships, with a view to future cooperation and subsequent development of research in theoretical and applied mechanics of solids. Young university faculty and researchers are especially encouraged to participate, and use this opportunity to network with others in similar situations, who will also be seeking to develop their research abilities and experience.

TOPICS

This is a conference on theoretical and applied mechanics of solids, with particular focus on the following, but not limited to them:

- Mechanics of Functional and Intelligent Materials
- Mechanics of Functional and Smart Structures
- Structural Health Monitoring
- Elasticity (Mathematical, Thermo, Electro, Electromagneto, Photo)
- Plasticity (Mathematical, Multiscale, Thermo, Visco)
- Fracture and Damage Mechanics
- Impact Mechanics and Dynamic Material Behavior
- Contact Mechanics
- Solid-Fluid Interaction
- Bio-Mechanics

OFFICIAL LANGUAGE

The official language will be English.

CHAIRS

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(Osaka Institute of Technology, Japan)

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(Hong Kong University of Science and Technology, Hong Kong)

Secretary: Yasutomo Uetsuji
(Osaka Institute of Technology, Japan)

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Y. Shibuya (Akita University, Japan)

ORGANIZED SESSIONS AND ORGANIZERS

- **Exact and Approximate Analytical Methods in Dynamics**
M. Langthjem & K. Watanabe (Yamagata University, Japan)
- **Mechanics of Composite Plates and Shells [to cover both analytical and numerical (NL, FD, FE) formulations and analyses]**
T. Kant (Indian Institute of Technology Bombay, India)
- **Elastic waves and NDE/SHM (nondestructive evaluation/ structural health monitoring)**
S. Biwa (Kyoto University, Japan)
- **Strength Evaluation for Bonded Materials and Structures and Analysis for Singular Stress Fields**
H. Koguchi (Nagaoka University of Technology, Japan),
N. Noda (Kyushu Institute of Technology, Japan)
- **Crack Problems in Functional and Intelligent Materials**
T. Y. Zhang (The Hong Kong University of Science and Technology, China)
C. F. Gao (Nanjing University of Aeronautics and Astronautics, China)
- **Mechanics of Soft Materials and Structures**
W. Chen (Zhejiang University, China) and C. Lu (Zhejiang University, China)
- **Dynamic Behavior on Smart Materials**
Y. Huang (National Taiwan University of Science and Technology, Taiwan)
- **Mechanical Behaviors of Advanced Materials**
T. Adachi (Toyohashi University of Technology, Japan),
T. Morimoto (Shimane University)
and M. Higuchi (Kanazawa University, Japan)
- **Developments and Latest Advances of Mathematical and Numerical Analyses in Elasticity**
R. Kawamura (University of Miyazaki, Japan),
M. Ishihara (Osaka Prefecture University, Japan)
and K. Ushijima (Kyushu Sangyo University, Japan)
- **Failure Mechanics of Nonhomogeneous Materials**
L.C. Guo (Harbin Institute of Technology, China),
T. Zeng (Harbin University of Science and Technology, China)

Organized sessions will be growing.

In addition general sessions will be held in parallel.