

ACMD 2012

The 6th Asian Conference on Multibody Dynamics

August 26- August 30, 2012

Shanghai Jiao Tong University, Shanghai, China

CSTAM: Chinese Society of Theoretical and Applied Mechanics,
Division of Dynamics and Control

BICTAM: Beijing International Center for Theoretical and Applied Mechanics

JSME: The Japan Society of Mechanical Engineers

KSME: The Korean Society of Mechanical Engineers

IFTToMM: International Federation for the Promotion of Mechanism and Machine
Science

First Announcement and Call for Papers

Purpose

The 6th Asian Conference on Multibody Dynamics (ACMD 2012) will be held in Shanghai, China, from August 26th to 30th in 2012.

The Asian Conferences on Multi-body Dynamics have been regularly hosted by several countries in Asia in turn. It has been successfully held in Iwaki (Japan) in 2002, Seoul (Korea) in 2004, Tokyo (Japan) in 2006, and Jeju (Korea) in 2008, and Kyoto (Japan) in 2010. The 6th ACMD will be the first Asian Conference on Multi-body Dynamics held in China.

The main purpose of this conference, ACMD 2012 is to enhance cooperation and academic exchange among engineers over the world in the fields of multibody dynamics and related topics.

Topics

Papers are related to the theory and applications of multibody dynamics. The subjects of the papers may include, but are not limited to the followings:

- Multibody system analysis
- Rigid and flexible multibody dynamics
- Modeling, formalisms, and DAE solution method
- High performance formalisms and computation
- Vehicle dynamics including tire dynamics
- Contact, impact, and friction
- MBD application for railroad systems
- Control of MBS
- Robotics and mechatronics
- Biomechanics
- Parameter identification
- Optimization and sensitivity analysis in MBS
- Electro-magnetic interactions in MBS
- Aerospace dynamics
- Fluid-structure interaction in MBS
- Multidisciplinary and Multiscales
- MBD application in rotating machinery
- Dynamics of machine components
- Education and software development in MBD
- Others



The Bund



Shanghai Jiao Tong University

Keynote speaker

Prof. Hai-yan Hu, Beijing Institute of Technology, China

Prof. Olivier A. Bauchau, University of Michigan-Shanghai Jiao Tong University Joint Institute, China
Prior appointment: The Georgia Institute of Technology, USA

Submission of Abstracts

One page abstract in English must be submitted before November 30, 2011 (extended to December 31, 2011). All abstracts will be reviewed. We will inform the acceptance notification to the author on February 13, 2012. The authors who have received the acceptance notification e-mail from the scientific committee of ACMD2012 can submit full papers, abstract, biography and copyright by April 30. Papers will be included in conference proceedings, and some of the conference papers will be published in a special issue of the International Journals, such as <<Theoretical & Applied Mechanics Letters>> and so on. The complete abstract should include the followings:

- Title of paper
- Author's name(s), Affiliation(s)
- Information of contact person (Postal mailing address, Phone and Fax number, and E-mail address)
- Keyword (three to five)
- Abstract (One page abstract)

Please contact us: acmd2012@sjtu.edu.cn

Registration fee

	Before 30/Jun/2012	After 30/Jun/2012
Participant	RMB 2600	RMB 3200
Student	RMB 850	RMB 1100

The detail information for ACMD2012 will be provided on the conference website:

<http://vsn.sjtu.edu.cn/ACMD/>

Important dates

Nov. 30, 2011	Abstract Submission Deadline
Feb. 13, 2012	Notification of Acceptance
Apr. 30, 2012	Camera-Ready Manuscripts Deadline
Jun. 30, 2012	Deadline for Early Registration

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Conference Committee

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