First Announcement and Call for Papers

The 3rd Joint International Conference on Multibody System Dynamics

The 7th ACMD 2014 Asian Conference on Multibody Dynamics

Busan, Korea, June 30 - July 3, 2014

For more information http://imsd-acmd2014.ksme.or.kr/
Venue

The conference will take place at Busan Exhibition and Convention Center (BEXCO), located in South-east of Korea. Busan, a world-famous port city, is optimial to host an international conference with easy accessible location, spectacular nature, convenient facilities, diverse leisure programs. At the time of the conference, Busan becomes the splendid destination for summer vacationers.

Call for Papers

Authors are invited to submit two page extended abstracts, clearly stating the objectives, results and conclusions of the work to be discussed in the presentation. The official template is available at the conference website. After the reviewing process, accepted abstracts will be included in the book of abstracts.

Social Program

Beside a reception and a conference banquet, an excursion to Gyeongju, the ancient city of Korea will be arranged for participants. Please visit our website to get more detailed information.

Important Dates

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<th>Two page abstract submission deadline</th>
<th>Notification of acceptance/rejection</th>
<th>Final paper submission (optional) deadline</th>
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Objectives

The biannual international conferences IMSD and ACMD aim to bring together researchers in multibody dynamics from both academia and industry and to promote opportunities to exchange cutting-edge information on the theory and application of multibody systems. As one of the rapidly growing branches of mechanical engineering, multibody system dynamics is applied to various applications, and is becoming increasingly important in the development of complex engineered systems. The IMSD and ACMD will provide a unique opportunity to identify the current challenges, share solutions, and promote friendships between the two multibody dynamics communities.

The topics of the conference include, but are not limited to:

- Algorithms, Integration Codes, and Software
- Biomechanics
- Contact and Impact Problems
- Control and Mechatronics
- Dynamics of All Vehicles
- Dynamics of Machines and Rotating Structures
- Efficient Methods and Real-time Applications
- Flexible Multibody Systems
- Multidisciplinary Approaches
- Modeling, Formalisms, and DAE Solution Method
- Optimization, Sensitivity Analysis and Parameter Identification
- Robotic Systems
- Theoretical and Computational Methods
- High Performance Computing
- Multibody Applications, Experiments and Other Topics
- Benchmark Problems in Multibody System Dynamics

Scientific Committee

The 3rd Joint International Conference on Multibody System Dynamics and the 7th Asian Conference on Multibody Dynamics are supervised by the Joint International Scientific Committee (JISC).

The members of the committee are:

- Jorge Ambrosio (Portugal)
- Olivier Bauchau (China)
- Carlo Bottasso (Italy)
- Jin Hwan Choi (Korea)
- Javier Cuadrado (Spain)
- Peter Eberhard (Germany)
- Haiyan Hu (China)
- Sung-Soo Kim (Korea)
- Jinyang Liu (China)
- John McPhee (Canada)
- Aki Mikkola (Finland)
- Dan Negrut (USA)
- Subir K. Saha (India)
- Werner Schiehlen (Germany)
- Ahmed Shabana (USA)
- Taichi Shibai (Japan)
- Yoshihiro Suda (Japan)
- Yoshiaki Terumichi (Japan)
- Zdravko Terze (Croatia)
- Hong Hee Yoo (Korea)

Keynote Speakers

- Javier Cuadrado, Univ. of La Coruna, Spain
- Andres Keckemethy, Univ. of Duisburg-Essen, Germany
- Ja Kyum Koo, NVH-Korea, Korea
- Jinyang Liu, Shanghai Jiao Tong Univ., China
- Dan Negrut, Univ. of Wisconsin, USA
- Arend Schwab, Delft Univ. of Technology, Netherlands
- Yoshiaki Terumichi, Sophia Univ., Japan
General Chair
Professor Sung-Soo Kim
Chungnam National University, Korea

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Travel & Accommodation
More information available on the conference website.

Co-Sponsors

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