



# CALL FOR PAPERS



## MESA08 --- 2008 IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications

Beijing, China, October 12-15, 2008

<http://www.asmemesa.org>

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### Symposia and Symposium Chairs

#### Networked Mechatronic and Embedded Systems

Bo Chen, Michigan Technological University, USA

#### Embedded System Infrastructure and Theory

Martin Horauer, U. of App. Sciences Technikum Vienna, Austria

#### Mechatronic and Embedded System Applications

Primo Zingaretti, Polytechnic Univ. of Marche, Italy

#### Development, Verification, Debug Tools for Mechatronic & Embedded Systems

Tianmiao Wang, Beihang University

#### Mechatronics Control and Manufacturing

YangQuan Chen, Utah State University, USA

#### Mechatronic and Embedded Systems in Education

Zhaoqing Wang, Zhejiang Sci-Tech University, China

#### Mechatronic Systems

Jian Dai, King's College London, UK

#### Sensors and MEMS

V. Sundarajan, Univ of California, Riverside

#### Machines for Precision Farming

Uriel A. Rosa, University of California, Davis

#### Under Water Robotic and Mechatronic Systems

Ying Chen, Zhejiang University

#### Robotics and Mobile Machines

Xiaoqi Chen, University of Canterbury

#### Robotics for Human Augmentation and Rehabilitation

Sunil Agrawal, University of Delaware

#### Micro Air vehicles

Xinyan Deng, University of Delaware

#### Intelligence in Mechatronic and Embedded Systems

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#### Special Topics and Sessions

Hami Kazerooni, Univ. of California, Berkeley, USA

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IEEE Intelligent Transportation Systems Society

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### Objectives

Mechanical and electrical systems show an increasing integration of mechanics with electronics and information processing. This integration is between the components (hardware) and the information-driven functions (software), resulting in integrated systems called mechatronic systems. The development of mechatronic systems involves finding an optimal balance between the basic mechanical structure, sensor and actuators, automatic digital information processing and control in which embedded systems play a key role. The field of embedded system and mechatronics is becoming evermore challenging; issues in embedded software lie at the focus of researchers both in industry and academia. The goal of this 4th IEEE/ASME MESA, MESA08, is to bring together experts from the fields of mechatronic and embedded systems, disseminate the recent advances made in the area, discuss future research directions, and exchange application experience. The conference program is organized in a number of symposia.

### Venue

MESA08 will be held together along with the 11th Intl IEEE Conf on Intelligent Transportation Systems and 2008 IEEE Intl Conf on Service Operations and Logistics, and Informatics.

### Paper Submission

Complete manuscripts in PDF format must be electronically submitted to the conference website <http://www.asmemesa.org>. Submitted manuscripts should be six (6) pages or less in IEEE two-column format, including figures, tables, and references.

### Important Dates

June 1, 2008

Full paper, proposal for special session, workshop and tutorial

July 15, 2008

Notification of acceptance

August 15, 2008

Camera ready paper submission