



# CALL FOR PAPERS



## MESA09 – 2009 ASME/IEEE International Conference on Mechatronic and Embedded Systems and Applications August 30 – September 2, 2009, San Diego Convention Center

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### Symposia and Symposium Chairs

#### Automation and Robotics in Environmental and Agricultural Applications

Uriel A. Rosa, Univ. of California, Davis, USA

#### Autonomous Systems and Ambient Intelligence

Hyo-Sung Ahn, Gwangju Institute of Science & Tech., Korea

#### Bio-Mechatronics and Bio-sensors

Lei Zuo, SUNY Stonybrook, USA

#### Cyber-Physical Systems

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#### Embedded Soft Computing

Riccardo Caponetto, University of Catania, Italy

#### Embedded System Infrastructure and Theory

Martin Horauer, UAS Technikum Wien, Austria

#### Learning Control and Diagnosis in Mechatronic Systems

Wen Chen, Wayne State University, USA

#### Mechatronics Control and Electrical Vehicles

Chengbin Ma, UM-SJTU Joint Institute, Shanghai Jiaotong Univ.

#### Mechatronic and Embedded System Applications

Primo Zingaretti, Polytechnic University of Marche, Ancona, Italy

#### Mechatronic and Embedded System Education

Lili Ma, Wentworth University, Boston, USA

#### Robotics and Mobile Machines

Xianwen Kong, Heriot-Watt University, UK

#### Sensors and MEMS

Ja Choon Koo, Sungkyunkwan University, Korea

#### Sensor Networks

Bo Chen, Michigan Technological University, USA

#### Small Unmanned Aerial Vehicle Technologies & Applications

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#### International Program Committee:

<http://www.asmeconferences.org/IDETC09/>

#### Technical Co-Sponsors

ASME Division of Design Engineering

IEEE Intelligent Transportation Systems Society

IEEE Control Systems Society

#### 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 5th ASME/IEEE MESA, MESA09, 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.

#### Paper Submission

Complete manuscripts in PDF format must be electronically submitted to the conference website:

<http://www.asmeconferences.org/IDETC09/>

#### Venue

MESA09 will be held within the 2009 ASME International Design Engineering Technical Conferences (IDETC).

#### Important Dates

February 06, 2009: Abstract, Proposal for Special Session

February 13, 2009: Full paper due

April 24, 2009: Author Notification of Acceptance

April 24, 2009: Submission of 1903 Form (Copyright)

May 15, 2009: Submission of Final Paper

August 30, 2009: First day of conference

September 2, 2009: Last day of conference

#### Companion Web Site

<http://iel.ucdavis.edu/mesa/MESA09/>