

All papers will be reviewed and, if accepted, will be published in the conference proceedings on CD-ROM. For further information, contact the organizers of the conference:



## **2009 ASME/IEEE International Conference on Mechatronic and Embedded Systems and Applications (MESA09)**

( [Call for Papers pdf](#) )

### **Description**

The *5th ASME/IEEE International Conference on Mechatronic and Embedded Systems and Applications (MESA09)*, will be held at the San Diego Convention Center, in San Diego, California, from August 30-September 2, 2009. ASME/IEEE MESA09 is an integral part of the *2009 ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conferences (2007 IDETC/CIE)*.

Mechanical and electrical engineering 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 actuator implementation, automatic digital information processing and overall control for which embedded systems play a key role. The field of embedded system is getting more and more challenging, and issues in development of embedded software are attracting attention of an increasing number of researchers both in industry and academia. The goal of MESA09 is to bring together experts from the fields of mechatronic and embedded systems to disseminate the recent advances made in the area, discuss the future research directions, and exchange application experience with respect to the conference themes. The conferences will also include plenary sessions, keynote lectures, and tutorials on different topics related to engineering design.

### **Objectives**

Authors and presenters are invited to participate in this event to expand international cooperation, understanding and promotion of efforts and disciplines in the area of 2009 ASME/IEEE International Conference on Mechatronic and Embedded Systems and Applications (MESA09). Dissemination of knowledge by presenting research results, new developments, and novel concepts in 2009 ASME/IEEE International Conference on Mechatronic and Embedded Systems and Applications (MESA09) will serve as the foundation upon which the conference program of this area will be developed.

Likely topics include but are not limited to:

- [Machines for Human Augmentation and Rehabilitation](#)

- [Mechatronic Systems](#)
- [Development, Verification and Debug Tools for Mechatronic & Embedded Systems](#)
- [Embedded System Infrastructure and Theory](#)
- [Mechatronic and Embedded System Applications](#)
- [Sensors and MEMS](#)
- [Mechatronics Control and Automation](#)
- [Ambient Intelligence and Ubiquitous Robotic Space](#)

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