

Call for Papers



Symposium on Biomechatronics – Medical Devices & Technologies

as part of the 7th ASME/IEEE International Conference on
Mechatronic and Embedded Systems and Applications

August 29-31, 2011 Washington, DC, USA

<http://iel.ucdavis.edu/mesa/MESA11/>

Objectives: The symposium provides a cross-disciplinary platform for presenting the latest developments in biomechatronics and robot assistive technologies for medical and bio-applications. It relates to the design of systems, devices and products for use as assistive tools when interacting with humans and biosystems. Particular topics of interest include, but are not limited to:

- Biomechatronics Design, Biomedical Robotics, Robotics for Medical Surgery
- Rehabilitation Robotics, Robotics for Stroke Patients and Wearable Medical Devices, Assistive Technology for Injured, Elderly and Disabled
- Microelectronics, Health Monitoring Devices, Embedded Signal Processing, Low-power Design
- Bioelectromagnetism, Electrical Bioimpedance, Implantable Electronics
- Biorobotics, Biomaterials, Biosensors & MEMS, Biomechanical Devices
- New Materials, New Sensing and Actuation Technology for Biomechatronic Systems
- Medical Imaging and Visualisation, Simulation and Navigation, Virtual Reality, Intuitive Command and Control Systems, Haptics and Sensor Technologies
- Biomechatronic System Modelling, Simulation of Bio-Systems, System Identification
- Biomechanics Study and Modelling
- Interaction between Devices and Humans, Adaptive Control Methods

Paper Submission: Manuscripts shall be no longer than 10 pages and shall adhere to the [ASME author guidelines](#). Word and L^AT_EX templates are available from [ASME](#) to assist authors in preparing their papers for publication. Final papers in PDF format must be electronically submitted to: <https://www.asmeconferences.org/IDETC2011>

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Technical Co-Sponsors:

ASME Division of Design Engineering
IEEE Intelligent Transportation Systems Society
IEEE Control Systems Society



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Important Dates:

Submission of Abstract	11-02-2011
Submission of Full-Length Paper	18-02-2011
Author Notification of Acceptance	20-05-2011
Submission of Copyright Form	27-05-2011
Submission of Final Paper	30-05-2011