



Call for Papers



The 6th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications (MESA10)

Qingdao, China, July 15-17, 2010

<http://www.asmemesa.org>

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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 6th IEEE/ASME MESA, MESA10, 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.

Symposia and Symposium Chairs

Autonomous Systems and Ambient Intelligence

Hyo-Sung Ahn, Gwangju Institute of Science and Technology, Korea

Autonomic and Distributed Mechatronic and Embedded Systems

Yu-Cheng Chou, University of California at Davis, USA

Bio-Mechatronics and Bio-sensors

Shane Xie, University of Auckland, New Zealand

Cyber-Physical Systems and Cooperative Systems

Stephen Nestinger, Worcester Polytechnic Institute, USA

Development, Verification, Debug Tools for Mechatronic and Embedded Systems

Jia Xu, York University, Canada

Embedded Computer Vision

Peter Rössler, UAS Technikum Wien, Austria

Embedded System Infrastructure and Theory

Martin Horauer, UAS Technikum Wien, Austria

Diagnosis and Monitoring in Mechatronic Systems

Wen Chen, Wayne State University, USA

Mechatronic and Embedded System Applications

Emanuele Frontoni, Polytechnic Univ. of Marche, Italy

Mechatronic and Embedded Systems in Education

Zhaoqing Wang, Zhejiang Sci-Tech University, China

Mechatronic and Embedded Systems for Renewable Energy Systems

Uriel A. Rosa, University of California, Davis

Mechatronic Control and Electrical Vehicular Systems

Chengbin Ma, UM-SJTU J.Inst., Shanghai Jiaotong U.

Robotics and Mobile Machines

Xianwen Kong, Heriot-Watt University, UK

Sensors and MEMS

Ja Choon Koo, Sungkyunkwan University, Korea

Sensor Networks and Networked Embedded Systems

Bo Chen, Michigan Technological University, USA

Small Unmanned Aerial Vehicle Technologies and Applications

YangQuan Chen, Utah State University, USA

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IEEE Control System Society

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Chinese Association for Automation

Chinese Mechanical Engineering Society

National Natural Science Foundation of China

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. Please use the [LaTeX style file](#) or [Microsoft Word template](#) available from the conference website to prepare your manuscript.

Important Dates

March 7, 2010 Full paper, proposal for special session, workshop and tutorial

May 4, 2010 Notification of acceptance

May 25, 2010 Camera ready paper submission