



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>

Advisory Committee

Jorge Angeles, McGill University, Canada
David M. Auslander, Univ. of California, Berkeley, USA
Tianyou Chai, Northeast University, China
Kevin C. Craig, Rensselaer Polytechnic Institute, USA
Ru-Wei Dai, Chinese Academy of Sciences, China
Krishna C. Gupta, Univ. of Illinois at Chicago, USA
C.S. George Lee, National Science Foundation, USA
Bahram Ravani, Univ. of California, Davis, USA
T. J. Tarn, Washington University, USA
Masayoshi Tomizuka, U. of California, Berkeley, USA
Feiyue Wang, Univ. of Arizona and Chinese Academy of Sciences, USA

Youlun Xiong, Huazhong U. of Sci and Tech, China

Conference Chairs

Ren C. Luo, National Chung Cheng University, Taiwan
Harry H. Cheng, Univ. of California, Davis, USA

Conference Co-Chairs

Nanning Zheng, Xi'an Jiaotong University, China
Dongming Guo, Dalian U. of Technology, China

Program Chair

Sunil K. Agrawal, University of Delaware, USA

Chair of the Honors and Awards Committee

Zuomin Dong, University of Victoria, Canada
Du Zhang, California State University, Sacramento

Finance Chair

Yanqing Gao, University of Arizona, USA

Publicity Chairs

Daniel Zeng, University of Arizona, USA
Huayong Yang, Zhejiang University, China

Publication Chair

Guanpi Lai, University of Arizona, USA

Local Organizing Chairs

Dalei Guo, Chinese Academy of Sciences, China
Li Zheng, Tsinghua University, China
Xiang Liu, Peking University, China

Executive Secretariat Contact E-Mail:

2008mesa@gmail.com

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

Du Zhang, California State University, Sacramento

Special Topics and Sessions

Hami Kazerooni, Univ. of California, Berkeley, USA

Xudong Hu, Zhejiang Sci-Tech University, China

International Program Committee:

<http://www.asmemesa.org>

Sponsors

IEEE Intelligent Transportation Systems Society

IEEE Computer Society

ASME Division of Design Engineering

Chinese Academy of Sciences

Chinese Association for Automation

Chinese Mechanical Engineering Society

Co-sponsor

National Natural Science Foundation of China

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