Call for Papers

Symposium on
Autonomous Systems & Ambient Intelligence

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: Implementation of autonomous systems is still a tough and challenging topic in mechatronic systems. To improve autonomous capabilities like intelligent navigation and distributed decision, recently, the concept of ambient intelligence has been introduced. The key point herein is to utilize wireless sensors or distributed embedded networks to improve the recognition capabilities of mobile vehicles or robots.

Papers describing original, previously unpublished research work, experimental efforts, practical experiences, and industrial and commercial developments with regard to autonomous systems and ambient intelligence are solicited. Particular topics of interest include, but are not limited to:

- Autonomous Navigation and Control
- Robot Intelligence
- Reinforcement Learning
- Multi-agent Systems

- Teleoperation & Coordination
- Distributed Control Systems
- Indoor Localization
- Wireless Sensor Networks

Paper Submission: Manuscripts shall be no longer than 10 pages and shall adhere to the ASME author guidelines. Word and LaTeX 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

Accepted, peer-reviewed manuscripts will be published in the conference proceedings and EI indexed.

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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

Technical Co-Sponsors:

ASME Division of Design Engineering
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