

# Call for Papers



**Symposium on  
Autonomous Systems & Ambient Intelligence**  
as part of the 7<sup>th</sup> ASME/IEEE International Conference on  
**Mechatronic and Embedded Systems and Applications**  
August 29-31, 2011 Washington, DC, USA  
<http://iel.ucdavis.edu/imesa/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Papers describing original, previously unpublished research work, experimental efforts, practical experiences, and industrial and commercial developments with regard to autonomous systems and ambient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 L<sup>A</sup>T<sub>E</sub>X 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.

## Contact Information:

Hyosung Ahn, Ph.D.  
School of Mechatronics  
Gwangju Institute of Science and Technology  
P: +82 (62) 970-2398  
E: [hyosung@gist.ac.kr](mailto:hyosung@gist.ac.kr)  
I: <http://dcas.gist.ac.kr>

Yu Zhou, Ph.D.  
Department of Mechanical Engineering  
State University of New York at Stony Brook  
P: +1 (631) 632-8322  
E: [yuzhou@notes.cc.sunysb.edu](mailto:yuzhou@notes.cc.sunysb.edu)  
I: <http://me.eng.sunysb.edu>

## 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  
IEEE Intelligent Transportation Systems Society  
IEEE Control Systems Society

