



ROSE 2010

IEEE International Workshop on Robotic and Sensors Environments

Phoenix, Arizona, USA
15-16 October 2010



Sponsored by the IEEE Instrumentation and Measurement Society

Organized by: •TC-15 Virtual Systems in Measurements, •TC-22 Intelligent Measurement Systems, •TC-27 Human-Computer Interfaces and Interaction •TC-28 Instrumentation for Robotics and Automation, •TC-30 Security and Contraband Detection.

CALL FOR PAPERS

The 8th edition of the *IEEE International Workshop on Robotic and Sensors Environments* will take place on the Tempe campus of the Arizona State University, in the city of Phoenix, Arizona, USA, on 15-16 October, 2010. The focus of the *ROSE* conference series is on sensing and perception modalities, as well as on their integration with autonomous robots and intelligent systems.

Papers are solicited on all aspects of Sensing Systems and Technologies for Robotics and Industrial Automation, Human-Robot Cooperation, Multimodal or Distributed Sensing, and Perception Technologies. These include but are not limited to: sensor controlled systems operation, collaborative manufacturing, inspection and quality control, human and robot interaction, tele-operation, robot manipulation, mobile robotics, rescue robots, swarm robotics, robot sensors and vision, environment monitoring, intelligent sensing, machine vision and image processing, 3D sensing and modeling, signal processing and sensor fusion, new sensor technologies, distributed and wireless sensor networks.

Paper submission: Submit a version of your full paper (6 pages maximum) electronically in PDF-format using the web submission form available online at <http://rose.ieee-ims.org>.

Publications: Accepted papers will be published in the *ROSE 2010 Proceedings* and indexed in *IEEE Xplore*. At least one author of each accepted full-length paper must register for the workshop and attend to present the paper. Best Student Paper and Best Paper Awards will be granted at the end of the workshop.

Authors of papers that will be accepted and presented at the workshop will be eligible to submit a significantly extended version of their manuscript for publication in *IEEE Transactions on Instrumentation and Measurement*.

Important dates:

- **July 2, 2010** Paper submission deadline (extended)
- August 15, 2010 Notification of acceptance/rejection
- September 15, 2010 Submission of final camera-ready manuscript and registration

<http://rose.ieee-ims.org>

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