



# ROSE 2012

## IEEE International Symposium on Robotic and Sensors Environments

Magdeburg, Germany  
16-18 November 2012



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 Interface and Interaction •TC-28 Instrumentation for Robotics and  
Automation, •TC-30 Security and Contraband Detection.

## CALL FOR PAPERS

The 10th edition of the *IEEE International Symposium on Robotic and Sensors Environments* will take place at the Otto-von-Guericke University, in Magdeburg, Germany, on 16-18 November, 2012. The focus of the *ROSE* conference series is on sensing systems and technologies for robotics and industrial automation, as well as their impact on autonomous robotics and intelligent systems development and applications.

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

**Paper submission:** Submit your full-length manuscript (6 pages maximum) electronically in PDF-format online at <http://rose2012.ieee-ims.org>.

**Publications:** Accepted papers will be published in the *IEEE ROSE 2012 Proceedings* included in *IEEE Xplore* and indexed in *EI Compendex*. At least one author of each accepted paper must register for the symposium and attend to present the paper. *Best Student Paper* and *Best Paper Awards* will be granted at the end of the symposium.

Authors of papers that will be accepted and presented at the symposium will be eligible to submit a significantly extended version of their manuscript to be considered for publication in a **Special Issue of IEEE Transactions on Instrumentation and Measurement**. The papers must be technically extended beyond the scope of the symposium paper and must be inside the scope of the Transactions on Instrumentation and Measurement.

### Important dates:

- |                      |                                             |
|----------------------|---------------------------------------------|
| • July 15, 2012      | <b>Paper submission deadline (extended)</b> |
| • August 31, 2012    | Notification of acceptance/rejection        |
| • September 28, 2012 | Submission of final camera-ready manuscript |
| • September 28, 2012 | Registration                                |

<http://rose2012.ieee-ims.org>

### General Chair

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Magdeburg, Germany  
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