



# ROSE 2011

## IEEE International Symposium on RObotic and Sensors Environments

Montréal, QC, Canada  
17-18 September 2011



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 9th edition of the *IEEE International Symposium on RObotic and Sensors Environments* will take place at École Polytechnique de Montréal, in Montréal, Québec, Canada, on 17-18 September, 2011. 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 or Distributed 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 robots, rescue robots, swarm robotics, robot sensors and vision, robot systems autonomy and energy management, robotic sensors and systems for environmental monitoring, intelligent sensing, machine vision and image processing, 3D sensing and modeling, sensor fusion, new sensor technologies, distributed sensor networks, and energy harvesting.

**Paper submission:** Submit your full-length manuscript (6 pages maximum) electronically in PDF-format online at <http://rose2011.ieee-ims.org>.

**Publications:** Accepted papers will be published in the *IEEE ROSE 2011 Proceedings* included in *IEEE Xplore* and indexed in *El 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**.

### Important dates:

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|--------------------|--|
| • June 15, 2011    | <b>Paper submission deadline (extended)</b>                  |
| • July 15, 2011    | Notification of acceptance/rejection                         |
| • August 15, 2011  | Submission of final camera-ready manuscript and registration |
| • October 31, 2011 | Extended version for IEEE TIM Special Issue                  |

<http://rose2011.ieee-ims.org>

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Henrik Christensen,  
Georgia Institute of Technology, USA  
Guillaume-Alexandre Bilodeau,  
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