



ROSE 2013

IEEE International Symposium on RObotic and Sensors Environments

Washington, DC, USA
21-23 October 2013



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 11th edition of the IEEE International Symposium on RObotic and Sensors Environments will take place at The George Washington University, in Washington, DC, USA, on 21-23 October, 2013. 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.

The George Washington University is located in the heart of the nation's capital, where the worlds of science and technology, media and policy, and the arts converge. It is the largest university in the District of Columbia. The city offers visitors world-class fun and iconic sightseeing from awe-inspiring monuments and memorials, and interactive experiences at numerous museums. Washington is easily accessible by car or train, and well connected to major airports.

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 intelligent robotic systems.

Paper submission: Submit your full-length manuscript (6 pages maximum) electronically in PDF-format online at <http://rose2013.ieee-ims.org>.

Publication: Accepted papers will be published in the IEEE ROSE 2013 Proceedings which will be 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 presented at the end of the symposium.

Important dates:

- | | |
|-------------------|---|
| • June 14, 2013 | Paper submission deadline |
| • July 24, 2013 | Notification of acceptance/rejection |
| • August 30, 2013 | Submission of final camera-ready manuscript |
| • August 30, 2013 | Advanced registration |

<http://rose2013.ieee-ims.org>

General Chair

Pinhas Ben-Tzvi, The George Washington University,
Washington, DC, USA

Technical Program Chairs

Philippe Giguère, Université Laval, Canada
Pierre Payeur, University of Ottawa, Canada

Local Arrangements Chairs

Anil Kumar, The George Washington University,
Washington, DC, USA
Wael Saab, The George Washington University,
Washington, DC, USA

Conference Management

Chris Dyer,
Conference Catalysts, LLC, USA

Steering Committee

Emil Petriu, University of Ottawa, Canada
Mel Siegel, Carnegie Mellon University, USA
Pierre Payeur, University of Ottawa, Canada
Peter Wide, Örebro University, Sweden



THE GEORGE
WASHINGTON
UNIVERSITY
WASHINGTON, DC