SSRR 2013

11th IEEE International Symposium on Safety Security and Rescue Robotics
Oct 21-26, 2013 Linköping, Sweden

http://www.ssrr-conference.org/2013/

The 11th IEEE International Symposium on Safety, Security, and Rescue Robotics continues its tradition of attracting cutting-edge papers in the theory and practice of robots for all types of safety, security, and rescue applications such as disaster response, mitigation and recovery; rapid and secure inspection of critical infrastructure; detection of chemical, biological and radiological risks, and operations in these dangerous sites. In addition, SSRR 2013 encourages the submission of "non-traditional" papers which contribute to understanding robot systems for Public Safety and have an explicit link to Public Safety but may not have results in a high fidelity SSR domain.

SSRR 2013 also serves as an entry point for researchers and technologists who want to learn more about safety, security and rescue robotics, through tutorials and keynotes.

A *Rescue Robotics Camp*, attached to the conference, gives participants the opportunity to learn about the state of the art algorithms for Search and Rescue Robots and their use. The camp is organized in collaboration with the NIFTi EU project and RoboCup.

Paper categories

- *Regular papers* (4-6 pages) original work in SSR or work applied to SSR domains.
- *Center/project papers* (2-4 pages) describing work at centers or active multi-institutional projects.
- *Vision papers* (2-4 pages) presenting long-term challenges or new ideas outside of the mainstream in computing for SSR robotics.
- *Late Breaking Reports* (1-2 pages) novel directions or work which has not been fully analyzed or explored.

Awards

- Best Paper Award
- Best Student Paper Award
- Outrageous Vision Award

Topics

- Biologically inspired solutions
- Casualty assessment, care and extraction
- Chemical, biological, or radiological events
- Computer vision
- GPS-denied navigation and mapping
- Humanoid robots
- Humanitarian demining
- Human-robot interaction
- Inspection of critical infrastructure
- Manipulation
- Multi-agent coordination
- Sensing and sensor fusion
- SLAM in extreme environments
- Structural assessment
- Telemedicine
- Unmanned ground, aerial, and marine vehicles
- Urban search and rescue
- Wildland fire fighting

Organizers

General Chair: Alexander Kleiner, Linköping University, Sweden
Program Chair: Fredrik Heintz, Linköping University, Sweden
Publication Chair: Serge Stinckwich, IRD, France
Treasurer: Gerald Steinbauer, TU Graz, Austria
Regional Program Chairs:
Paul Scerri, CMU, USA
Andreas Kolling, LiU, Sweden
Fumitoshi Matsuno, Kyoto, Japan

Important Dates

Jun 14 Submission of proposals for tutorials and special sessions
Jul 19 Submission of regular papers, center/project papers, and vision papers
Aug 26 Notification of acceptance
Sep 6 Late Breaking Reports due
Sep 16 Notification of acceptance Late Breaking Reports
Sep 27 Final papers due