



# 3<sup>rd</sup> CALL FOR PAPERS SSRR 2014

The 12<sup>th</sup> IEEE International Symposium on  
Safety, Security, and Rescue Robotics

Oct. 27(Mon)-30(Thu), 2014  
Toyako-cho, Hokkaido, Japan

## Welcome to Lake Toya !

Toyako-cho is a town by Lake Toya in Hokkaido, Japan, and one of the most popular resort places in Japan. It has inexpensive conference facilities, many comfortable hotels with hot springs, and tourist facilities for international guests. In addition to these suitable conditions for conference places, there is an important reason for selecting Toyako-cho as the symposium place of SSRR2014.

Mount Usu, an active volcano near Toyako-cho, has erupted four times since 1900 and repeatedly damaged the surrounding area. The latest eruption was in March, 2000. In order to remember the disaster and maintain consciousness of natural dangers as well as revitalize the local community, the community has been leading efforts into studies that can help in understanding how to reduce the effects of disasters as well as lifestyle changes for the region.

Toyako-cho is the place representing for the basic philosophy of Hokkaido aboriginal (Ainu) "living together with ever-changing mother earth.

### Paper categories

Regular papers describing original work in SSR or work that can be applied to SSR domains. Center/project papers describing work at centers or active multi-institutional projects. Visioning papers presenting long-term challenges or new ideas outside of the mainstream in computing for SSR robotics. Late Breaking Reports contributing novel directions or work which has not been fully analyzed or explored.

### Topics include but are not limited to:

- 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
- Nuclear decommissioning
- Sensing and sensor fusion
- SLAM in extreme environments
- Structural assessment
- Telemedicine
- Unmanned ground, aerial, and marine vehicles
- Urban search and rescue
- Wildland fire fighting

### Important Dates (*revised*)

**June 15 (Sun.)** *extended*

Workshop / tutorial proposal

**July 31 (Thu.)**

Submission of regular / center / project / visioning papers

**Sep. 4 (Thu.)**

Submission of late breaking reports

**October 27 (Mon.) - 30 (Thu.)**  
Symposium

Symposium Location  
Toyako-cho Cultural Center  
Toyako-cho, Hokkaido, Japan

### Contact

*General chair*

Masahiko ONOSATO

Hokkaido University, Japan

onosato@ssi.ist.hokudai.ac.jp

*Program chair*

Hiroaki NAKANISHI

Kyoto University, Japan



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