SSRR 2013

Rescue Robotics Camp 2013 – Going 3D
Oct 21-23, 2013   Linköping, Sweden

http://www.ist.tugraz.at/ssrr13

The Rescue Robotics Camp 2013 is based on a long tradition of providing state-of-the-art techniques in rescue robotics to young researcher and students participating in competition such as RoboCup. The camp focuses on a sound understanding of the techniques by the participants, as well as the development of open source software modules based on ROS that the participants can immediately reuse in their daily work. The main theme of the 2013 edition is ***perception and navigation in challenging 3D environments***. These topics are on the one hand vibrant research areas and on the other hand crucial capabilities for rescue robots.

Lecturers
- *Sachin Chitta, Willow Garage, USA*
- *Andreas Nüchter, Universität Würzburg, Germany*
- Simon Lacroix, LAAS/CNRS, France
- François Pomerleau, ETH Zürich, Switzerland
- Johannes Pellenz, Bundeswehr, Germany
- Stefan Kohlbrecher, TU Darmstadt, Germany

Topics
- 3D Perception
- 3D Mapping
- Exploration
- Path Planning and Navigation in 3D Environments
- Software Architectures for Rescue Robots

Program
The program is balanced between lectures, reports from practitioners and practical lab work. There will be separate tracks for beginners and advanced participants.

SSRR 2013
The camp will be collocated with the IEEE International Symposium on Safety, Security, and Rescue Robotics. In order to allow the participants a close interaction with the rescue robotics research community a reduced fee for the SSRR 2013 will be granted.

Participation
Interested participants are requested to submit an application via email to ssrr13@ist.tugraz.at with:
- a curriculum vitae
- a one-page motivation letter
- list of up to 5 publications

Organizers
- Gerald Steinbauer, TU Graz, Austria
- Ivana Kruijff-Korbayová, DFKI, Germany
- Francis Colas, ETH Zürich, Switzerland
- Johannes Maurer, TU Graz, Austria
- Andreas Kolling, Linköping University, Sweden
- Johannes Pellenz, Bundeswehr, Germany
- Tomoichi Takahashi, Meijo University, Japan

Important Dates
Aug 31 Applications due
Sep 7   Notification of Acceptance
Sep 30 Camp Registration due

Sponsors
The camp is supported by the NIFTI EU Project, the RoboCup Federation, AIICS, and the Linköping University

NIFTI — Natural Human-Robot Cooperation in Dynamic Environments

RoboCup

AIICS

DEPARTMENT OF COMPUTER AND INFORMATION SCIENCE

Linköpings universitet