



## Call for Participation

# RoCKIn Camp 2014

**Dept. Computer, Control and Management Engineering**  
**Sapienza University of Rome**  
**Via Ariosto 25, Rome, Italy**  
**January 26<sup>th</sup>-30<sup>th</sup>**

RoCKIn is short for “**Robot Competitions Kick Innovation in Cognitive Systems and Robotics**” and it is an EU-funded Coordination Action aiming at the promotion of research and education through competitions (<http://rockinrobotchallenge.eu>).

The **RoCKIn Camp 2014** aims at supporting the preparation of teams to participate in the RoCKIn@Home and RoCKIn@Work challenges, the competition events that will be organized by RoCKIn in 2014 and 2015. RoCKIn@Home and RoCKIn@Work take inspiration from the corresponding RoboCup leagues, but they will focus on benchmarking robotic systems and networked robots. Both challenges require basic navigation capabilities with no restrictions on the mobile platform, advance perception, manipulation and human-robot interaction. RoCKIn@Home focuses on tasks that service robots execute in a real home environment, while the tasks to be performed in RoCKIn@Work target an industrial automation scenario.

The event is partially supported by the IEEE RAS-TEP program ( IEEE Robotics & Automation Society Technical Education Program - Summer Schools )

The **RoCKIn Camp 2014** will take place from 26th to 30th January in Rome and is designed as a hands-on week long school, where teams acquire new capabilities and/or improve the performance of their systems in the competition tasks. The activities planned in the first four days of the RoCKIn Camp 2014 address the following topics: the robot platform and the basic software infrastructure, perception, manipulation and human robot interaction through speech. Each topic will include introductory lectures and practical sessions. The last day will be devoted to finalizing a demonstration in the competition scenario.

Students and researchers, who have an interest in entering the RoCKIn@Home and RoCKIn@Work competitions, are invited to apply for the **RoCKIn Camp 2014**. We accept application in two formats:

- team applications (for teams of 2-3 people, not necessarily from the same university, but with an already established joint team). Team applicants are encouraged to bring their robot to be used in the practical activities, but this is not a requirement.
- individual applications by existing or prospective team members.

For the practical sessions, participants will be arranged into teams. Accepted applicant teams will become RoCKIn Camp 2014 teams; individual participants may be joining existing teams with the goal of creating additional collaborations and opportunities. If needed, additional teams will be created from individual applicants. Each team will be assigned a specific task, applying modules and tools presented in the lectures. The selection will be based on the team submission material and will also consider formation of new teams. The expected audience will be up to 12 teams and up to 36 participants.

All successful applicants will be offered:

- Accommodation in shared rooms (including breakfast, 6 nights)
- Lunch (5 days) and 1 social dinner
- Attendance to lectures and practical sessions

In addition, the teams of 3 people that will carry a robot to be used in the practical sessions of the Camp are entitled to receive a travel support up to 1200 Euros (per team), and the team of 3 people that plan to attend without a robot are entitled to support of 600 Euros (per team).

\* Important Dates

- **Intention to participate:** October 20th, 2013
- **Application deadline:** November 20th, 2013
- **Notification of acceptance:** November 27th, 2013
- **Event Date:** January 26th-30th, 2014 (Rome, Italy)



### **Intention to participate: October 20th, 2013**

To express your intention to participate send an email to [alberto.pretto@dis.uniroma1.it](mailto:alberto.pretto@dis.uniroma1.it), specifying team/individual names, affiliation and the number of team members. For further information: <http://www.dis.uniroma1.it/~rockin/intention>

### **Application deadline: November, 20th 2013**

Applications should be submitted via <http://www.dis.uniroma1.it/rockin>. The application should include a 4-page technical report with IEEE Conference Style, describing: scientific background, research objectives, expected knowledge / performance improvement, team description (including previous experience, role and competence of team members).

### **Notification of acceptance: November, 27th 2013**

For further questions contact Alberto Pretto: [alberto.pretto@dis.uniroma1.it](mailto:alberto.pretto@dis.uniroma1.it).