



7th International UJI Robotics School

IURS-2007

“Assistive Robots”

<http://www.robot.uji.es/lab/plone/events/iurs07/>

September, 24-28, 2007
Bonaire Hotel, Benicàssim, Spain

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General Chair:

Pedro J. Sanz
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Program Chairs:

Danica Kragic
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Carlos Balaguer
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Programme

Main topics of the school will be:

- Software architecture
- Mechatronics
- Advanced capabilities:
 - Navigation
 - Manipulation
 - Recognition
- Human robot interaction
- Projects and applications

Language

English is the official language of the Summer School.

Registration

Thru the webpage:
<http://www.robot.uji.es/lab/plone/events/iurs07/>

For further information, please check the web site or contact the organization

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Call for Participation

For the 7th edition of its well-known summer school, the Robotic Intelligence Lab of Jaume I University, in collaboration with the Carlos III University and the Royal Institute of Technology of Sweden, organizes a summer school on the design, capabilities, cooperation and applications of assistive robots.

The school instructors are leading world experts in robotics, mechatronics and different areas of artificial intelligence and computing techniques, who also have experience in the development of assistive robots and its “cognitive” skills:

- **Carlos Balaguer** (Universidad Carlos III, Spain)
- **Jorge Dias** (University of Coimbra, Portugal)
- **Emilia Barakova** (Technische Universiteit Eindhoven, Netherlands)
- **Axel Gräser** (University of Bremen, Germany)
- **Antonio Morales** (Universitat Jaume I, Spain)
- **Danica Kragic** (Royal Institute of Technology, Sweden)
- **Claudio Melchiorri** (University of Bologna, Italy)
- **Javier Minguez** (Universidad de Zaragoza)
- **Alberto Jardón** (Universidad Carlos III, Spain)

Aims and scope

The attention of the robotics community has been drawn more and more on service and assistive robots in the last years. This interest is not only motivated by the challenge of designing new robots beyond available technology, but also for the implications of their use in human environments. They must be able to perform a wide range of different tasks in partially or completely unknown environments. And, what is most interesting, they must be able to cooperate and probably communicate with humans in a variety of modes. The development of such amount of different capabilities represents an ambitious and attractive research field for many scientists.

One of the main goals of this summer school is to be a multidisciplinary meeting event for gathering students and researchers with different and complementary backgrounds in order to explore and analyze the main concepts, problems and potential applications of assistive robots.

Graduate robotics students will have a unique training opportunity in this emergent and fast-evolving domain, closely interacting for one week with some of the top-level researchers in the world in this field, as well as with fellow students.

Organization

The school will be in September, for the whole week 24-28, in Benicàssim, at 300m from the Mediterranean coast.

Attendance is limited to 40 students. Registration fees, covering course material, accommodation and meals, are € 300 for students coming from EURON institutions.

Remote participation is also offered. Registration fees, covering course material and attendance certificate, are € 100.