



**CoTeSys-ROS Fall School on**

# **Cognition-enabled Mobile Manipulation**

**Munich, 1-6. November 2010**

## **Description and Objectives**

The **CoTeSys ROS** Fall School on Cognition-enabled Mobile Manipulation will introduce the participants into the exciting research area of autonomous mobile manipulation. Introductory lectures will be given by world renowned experts in the fields of 2D/3D perception, learning, reasoning and planning. The lectures will be complemented with hands-on practical exercises using various modules of the open-source ROS framework. Many of principle developers will be present and available for support and interaction. The application domain for the fall school will be everyday manipulation in human living environments.

## **Intended audience**

PhD students and researchers interested-in or working in the fields of personal robotics, robot perception, mobile manipulation as well as robotics middle-ware.

## **Important dates**

- Application deadline: August 1, 2010
- Notification of acceptance: August 15, 2010
- Fall school: November 1 - 6, 2010

## **Organizers**

- [Michael Beetz](#), IAS, Technische Universität München
- [Gary Bradski](#), Willow Garage
- [Dejan Pangercic](#), IAS, Technische Universität München
- [Radu Bogdan Rusu](#), Willow Garage

## **Topics**

- ROS Introduction
- From Sensors to Data and Processing
- Knowledge Processing & Learning
- Perception of Scenes
- Planning & Control
- Presentation Day

## **Tuition Fee and Registration**

To apply, students should register on the <http://ias.cs.tum.edu/events/cotesys-ros-school>. During the summer school, all the students will get an opportunity to present a poster describing their research. School fee is Euro 300. Limited number of scholarships will be made available by the sponsors.

## **Location**

Technische Universität München  
CCRL - CoTeSys Central Robotics Laboratory  
Barer Str. 21  
80333 München, Germany