

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
8.00	Opening, ROS Introduction	From Sensors to Data and Processing	Industrial Day	Planning & Control	Knowledge Processing & Learning	Perception of Scenes	
9.00	Cognition Enabled Control (Michael Beetz)	Robotic Vision (Victor Eruhrov)	Presentations: Willow Garage, Kuka, Schunk, Aldebaran, Metralabs, IPA Stuttgart, Fatronik	Simulator Gazebo (Mihai Dolha)	Learning Articulation Models of Cabinet Doors and Drawers (Juergen Sturm)	Supervised/Reinforcement Learning (Martin Riedmiller)	LECTURES
9.30				Object-Action Complexes (Tamim Asfour)			
10.00				Task Guided Attention Control and Visual Verification (Kei Okada)			
10.30				Inverse Reinforcement Learning (Pieter Abbeel)			
11.00	ROS Introduction (Radu Rusu, Brian Gerkey)	Point Cloud Library (Radu Rusu)	Company Exhibitions	Manipulation and Grasping in ROS (Sachin Chitta, Gil Jones)	Search-based Planning for Manipulation with Motion Primitives (Maxim Likhachev)	ITASC (Herman Bruyninck)	
11.30							
12.00							
12.30							
13.00	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	
14.00	Getting to know ROS (Radu Rusu, Brian Gerkey): http://www.ros.org/wiki/ROS/Tutorials http://www.ros.org/wiki/tf/Tutorials http://www.ros.org/wiki/actionlib/Tutorials	On working with OpenCV and PCL (Radu Rusu, Gary Bradski): http://www.ros.org/wiki/pcl , http://www.ros.org/wiki/opencv2	Presentations - Participants	Plan-based Control (Lorenz Moesenlechner, Thomas Ruehr, Niko Demmel): http://www.ros.org/wiki/cram	Knowledge Processing (Moritz Tenorth, Lars Kunze): http://ias.cs.tum.edu/kb/wiki/index.php/Main_Page	Inferring Missing Objects from Tabletops (Dejan Pangercic, Nico Blodow, Zoltan-Csaba Marton) Tutorial: TBD	TUTORIALS
19.00	Gone For the Day or Free Hacking	Gone For the Day or Free Hacking	Organized Leisure Event at Hofbräuhaus	Gone For the Day or Free Hacking	Gone For the Day or Free Hacking	Gone For the Day or Free Hacking	