

LIRMM HRP-4 Inaugural Workshop

6-7 March 2014, Montpellier



Thursday, 6th March

Place : Lirmm Galéra, 95 rue de la Galéra

9:00 – 10:30	Tutorial on programming the HRP-4 robot
10:30 – 11:00	Coffee break
11:00 – 12:30	Tutorial on programming the HRP-4 robot

Place : Saint Priest Amphitheater, Saint Priest campus, Montpellier

12:30 – 14:00	Lunch break
14:00 – 14:30	Dr. Abderrahmane Kheddar, CNRS-UM2 LIRMM IDH - CNRS -AIST JRL <i>Welcome keynote and IDH Research Activities</i>
14:30 – 15:00	Dr. Philippe Fraithe, CNRS-UM2 LIRMM IDH <i>The LIRMM Robotics Department Activities</i>
15:00 – 15:30	Dr. Eiichi Yoshida, CNRS-AIST JRL <i>Humanoid robot as physical mannequin</i>
15:30 – 16:00	Coffee break
16:00 – 16:30	Dr. Kazuhito Yokoi, AIST-IS Deputy Director, Humanoid RG leader <i>Humanoid robotics at AIST</i>
16:30 – 17:00	Dr. Kensuke Harada, AIST-Intelligent Systems Research Institute <i>Manipulation Planning for Dual-Arm Industrial Manipulators</i>
17:00 – 18:00	<i>Private: Brain-Circulation KoM (meeting)</i>

Friday, 7th March

Place : Saint Priest Amphitheater, Saint Priest campus, Montpellier

9:00 – 9:30	Dr. Borghesan Gianni, KU Leuven (Katholieke Universiteit Leuven) Prof. Bruyninckx Herman and Prof. de Schutter Joris, <i>Description, Implementation and Scheduling of Tasks in constraint-based formalism(s)</i>
9:30 – 10:00	Dr. Sylvain Calinon, Italian Institute of Technology (IIT) <i>Learning by imitation and exploration with the COMAN humanoid robot</i>
10:00 – 10:30	Dr. Pierre-Brice Wieber, INRIA <i>Controlling dynamic balance with ingredients from Model Predictive Control and Lexicographic Optimization</i>
10:30 – 11:00	Coffee break
11:00 – 11:30	Dr. Christian Ott, DLR <i>Compliant humanoid robots developed at DLR</i>
11:30 – 12:00	Dr. Francesco Ferro, CEO PAL Robotics <i>REEM-C: design and applications</i>
12:00 – 12:30	Dr. Vincent Clerc, Aldebaran Robotics <i>Humanoid Robots: from research to industry</i>
12:30 – 14:00	Lunch break
14:00 – 14:30	Dr. Katsu Yamane, Disney Research <i>Making robotic characters look alive and expressive</i>
14:30 – 15:00	Prof. Katja Mombaur, Ruprecht-Karls-Universität Heidelberg <i>Model-based optimization for humanoid robots</i>
15:00 – 15:30	Prof. Kei Okada, University of Tokyo <i>Whole-body behavior control of humanoid robots for high-load tasks</i>
15:30 – 16:00	Coffee break
16:00 – 16:30	Dr. Jean-Paul Laumond, LAAS-CNRS <i>Seven years of research on HRP2-14 at LAAS-CNRS</i>
16:30 – 17:00	Prof. Andrew Murray, University of Dayton <i>From high order polynomials to low degree of freedom machines: An overview of research in the design of innovative machines lab</i>