



Software meeting agenda Paris, June 5th, 2013

LOCATION: Meeting room @ ISIR

STARTS AT 9:30AM

**Institut des Systèmes Intelligents et de Robotique, Université Pierre et Marie CURIE
Pyramide - T55/65, CC 173 - 4 Place Jussieu 75005 Paris**

Presentation	Software requirements in CoDyCo	Francesco Nori. & Serena Ivaldi Introduction on software tools currently available for whole-body motion control.
Presentation	Whole-body motion control @ ISIR.	Vincent Padois Introduction on software currently used at ISIR to simulate whole-body motion control.
Presentation	Whole-body motion control @ LAAS	Olivier Stasse Introduction on software used for whole-body motion control on the HRP2.
Presentation	The future of whole-body software on the iCub	Silvio Traversaro Introduction to iDyn and its new features. Presentation of new ideas such as whole-body estimation and parameters identification
Discussion	Example of whole-body motion simulation: the ROBOTRAN example	Andrea Del Prete Discussion on the pros/cons of using ROBOTRAN for whole-body motion simulations
Discussion	Example of whole-body motion simulation: the OpenSIM example	Francesco Rea Discussion on the pros/cons of using OpenSIM for whole-body motion simulations
Discussion	Example of whole-body motion simulation: the arboris-python and XDE example	Joseph Salini and Hak Sovannara Discussion on the pros/cons of using arboris-python and XDE for whole-body motion simulations
Discussion	Software tools for human whole-body motion	Michael Mistry Open discussion on useful software tools for human whole-body motion analysis (e.g. HuMANs).
Discussion	CoDyCo human experiments	Tadej Petric Application of human motion analysis in robot control: human experiments, data acquisition, modelling, simulation.