SUPSI

1st HeDiSC Workshop on Open Source Software For Control Systems

June 30th - July 1st 2009, Lugano-Manno, Switzerland

Program
June 30th, 2009

8:30-9:00	Registration		
9:00-9:30	Welcome and Introduction	Prof. Dr. Silvano Balemi	SUPSI
	RETECA Foundation	Eng. Marco Boccadoro	RETECA
	HeDiSC Workshop: Organizational Aspects	Dr. Carlos Meza	SUPSI
9:30-10:30	EJS: A freeware open source tool to create web based virtual and remote labs	Prof. Dr. Sebastián Dormido	UNED
10:30-11:00	Coffee Break		
11:00-12:00	EMSO: an equation-oriented dynamic simulator and its applications to process control	Prof. Dr. Rafael de Pelegrini	UFRGS
12:00-13:30	Lunch Break		
13:30-14:30	Maxima CAS	Prof. Mario Rodríguez Riotorto	IES
14:30-16:00	Tutorial: RTAI-Lab, Scilab, Comedi and Real-Time Control	Prof. Roberto Bucher	SUPSI
16:00-16:30	Coffee Break		
16:30-17:30	Tutorial: RTAI-Lab, Scilab, Comedi and Real-Time Control	Prof. Roberto Bucher	SUPSI
19:00	Dinner at *"Grotto della Salute"* (Typical Ticinese restaurant)	Optional - 46CHF per person (drinks not included)	

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9:00-10:00	ScicosLab: A free scientific software package	Dr. Alan Layec	INRIA
10:00-10:30	Coffee Break		
10:30-12:00	Tutorial: CANOpen and RTAI-Lab	Prof. Roberto Bucher	SUPSI
12:00-13:30	Lunch Break		
13:30-14:30	Open Source Robotics with Scilab/Scicos	Eng. Matteo Morelli	U. Pisa
14:30-15:30	RTAI-XML: A Web Services Approach to Real-Time Control Systems	Dr. Michele Basso, Dr. Massimo Vassalli	U. Firenze
15:30-16:00	Experimental platform for the implementation of control algorithms	Prof. Vicente Gonzalez	UCNSA
16:00-16:30	Coffee Break		
16:30-17:00	Experiences with RTAI-Lab in the design and implementation of a control and supervisory system of a coupled tank plant	Prof. Juan Florez	U.Cauca
17:00-17:30	Temperature Control Platform Based on Scilab/Scicos, Comedi and Rtai-Lab	Eng. Jesus Jara	U. Piura
17:30-18:00	Connecting Practices for Control Education: Teaching with "Home-Made" Plants	Prof. Dr. Antonio Rodrigues	UFSC