

HYCON-EECI Graduate School on Control

www.eeci-institute.eu

Spring 2010

13 INDEPENDENT MODULES – one 21 hour module per week

Lectures taught in English

Location: Supélec – South of Paris

Deadline for ADVANCE REGISTRATION to each module: 13/12/2009

Students: apply for financial support (up to 500 EUR per module)

M1 01/02/2010 - 05/02/2010	<i>Controlled synchronisation of dynamical systems</i>	Antonio Loría
M2 08/02/2010 - 12/02/2010	<i>A catalogue of normal forms for nonlinear control systems</i>	Witold Respondek
M3 15/02/2010 - 19/02/2010	<i>Cooperative Control of Multiple Autonomous Vehicles: Missions Scenarios, Theoretical Foundations, and Practical Issues</i>	Antonio M. Pascoal / Antonio P. Aguiar
M4 22/02/2010 - 26/02/2010	<i>Control of Nonlinear and Hybrid Systems</i>	Christophe Prieur / Sophie Tarbouriech
M5 01/03/2010 - 05/03/2010	<i>Dynamics and Control of Neurons</i>	Jeff Moehlis
M6 08/03/2010 - 12/03/2010	<i>Nonlinear Output Regulation</i>	Alberto Isidori
M7 15/03/2010 - 19/03/2010	<i>Networked Control Systems</i>	Karl Henrik Johansson / Vijay Gupta
M8 22/03/2010 – 26/03/2010	<i>Optimality, Stabilization, and Feedback in Nonlinear Control</i>	Francis Clarke
M9 29/03/2010 - 02/04/2010	<i>LMI, Optimization and Polynomial Methods</i>	Didier Henrion
M10 05/04/2010 - 09/04/2010	<i>Port-Hamiltonian Systems: from Geometric Network Modeling to Control</i>	Arjan van der Schaft / Dimitri Jeltsema
M11 12/04/2010 - 16/04/2010	<i>Model Predictive Control</i>	Eduardo F. Camacho
M12 03/05/2010 - 07/05/2010	<i>The Behavioral Approach to Modeling and Control</i>	Jan C. Willems / Paolo Rapisarda
M13 10/05/2010 – 14/05/2010	<i>Stabilization for Nonlinear Dynamical Systems</i>	Laurent Praly