

## Programme of the HYCON-EECI Graduate School on Control Spring 2008

**Intensive teaching** : 11 independent modules ; one 21 hours module per week

*Lectures taught in English*

*Eligible for 2nd Year Master Degree credits and Scientific Thesis modules*

**Location** : Supelec – South of Paris

**Deadline for registration to each module** : 31/12/2007

*For more details and registration procedure see :*

<http://www.eeci-institute.eu>

*or*

*Contact* : Jamal.Daafouz@ensem.inpl-nancy.fr

<b>M1</b> 4/02/2008 – 8/02/2008	LMI, optimization and polynomial methods	<b>Dider Henrion</b> LAAS - CNRS
<b>M2</b> 11/02/2008 – 15/02/2008	Observability and observer design for hybrid systems	<b>Elena De Santis</b> Univ. of L'Aquila
<b>M3</b> 18/02/2008 – 22/02/2008	Optimality, Stabilization, and Feedback in Nonlinear Control (to be confirmed)	<b>Francis Clarke</b> Université de Lyon
<b>M4</b> 25/02/2008 – 29/02/2008	LMIs in control (to be confirmed)	<b>C. Scherer<sup>†</sup> and S. Weiland<sup>‡</sup></b> <sup>†</sup> Delft Univ. of Technology <sup>‡</sup> Eindhoven Univ. of Technology
<b>M5</b> 3/03/2008 – 7/03/2008	Robotics, geometry and control	<b>Ravi Banavar</b> IIT Bombay
<b>M6</b> 10/03/2008 – 14/03/2008	Stability and Lyapunov functions for hybrid systems	<b>Fabian Wirth</b> Univ. Of Bremen
<b>M7</b> 17/03/2008 – 21/03/2008	An introduction to networked control systems	<b>Richard M. Murray</b> California Institute of Technology
<b>M8</b> 25/03/2008 – 28/03/2008	Verification and control of non linear systems	<b>A. Bayen<sup>1</sup> and I. Mitchell<sup>2</sup></b> <sup>1</sup> Univ. of California at Berkeley <sup>2</sup> Univ. of British Columbia
<b>M9</b> 31/03/2008 – 4/04/2008	An Introduction to Nonlinear Optimization	<b>Fabio Schoen</b> University of Firenze
<b>M10</b> 7/04/2008 – 11/04/2008	The optimal control of hybrid systems	<b>Peter Caines</b> McGill University
<b>M11</b> 14/04/2008 – 18/04/2008	Hybrid systems and control	<b>C. Priour<sup>3</sup> and A. Teel<sup>4</sup></b> <sup>3</sup> LAAS-CNRS, <sup>4</sup> UCSB-USA