

## EECI-HYCON2 Graduate School on Control

[www.eeci-institute.eu/GSC2012](http://www.eeci-institute.eu/GSC2012)

### Spring 2012

**18 INDEPENDENT MODULES** – one 21 hours module per week (3 ECTS)

Deadline for ADVANCE REGISTRATION to each module: 16/12/2011

\*\*\*\*\*Limited seating: register as soon as possible\*\*\*\*\*

Locations: Supelec (South of Paris), Istanbul (Turkey), L'Aquila (Italy)

<b>M1</b> 30/01/2012 – 03/02/2012	<i>Advanced Control of Physical Systems Arising in Modern Technological Applications</i>	Romeo Ortega
<b>M2</b> 06/02/2012 – 10/02/2012	<i>Modelling, State Estimation and Vision Based Control of Aerial Robotic Vehicles</i>	Robert Mahony/ Tarek Hamel
<b>M3</b> 13/02/2012 – 17/02/2012	<i>Randomization in Systems and Control Design - the Scenario Approach</i>	Marco C. Campi/ Simone Garatti
<b>M4</b> 20/02/2012 – 24/02/2012	<i>Decentralized and Distributed Control</i>	Giancarlo Ferrari-Trecate/ Marcello Farina
<b>M5</b> 27/02/2012 – 02/03/2012	<i>Theory of Observers</i>	Laurent Praly
<b>M6</b> 05/03/2012 – 09/03/2012	<i>Introduction to Nonlinear Control</i>	Hassan Khalil
<b>M7</b> 12/03/2012 – 16/03/2012	<i>Backstepping Control of PDEs and Delay Systems</i>	Miroslav Krstic
<b>M8</b> 19/03/2012 – 23/03/2012	<i>Recent Advances of Sliding Mode Control</i>	Vadim I. Utkin
<b>M9</b> 26/03/2012 – 30/03/2012	<i>Regulation and Tracking for Nonlinear Systems, with Emphasis on Recent Advances and Open Problems</i>	Alberto Isidori
<b>M10</b> 02/04/2012 – 06/04/2012	<i>Control of Highly Nonlinear Systems</i>	Claude Samson / Pascal Morin
<b>M11</b> 09/04/2012 – 13/04/2012	<i>Nonlinear Controllability, Observability, and Optimal Control Problems in Robotics</i>	Antonio Bicchi
<b>M12</b> 30/04/2012 – 04/05/2012	<i>Quantum Control and Quantum Information Processing</i>	Roger W. Brockett
<b>M13</b> 07/05/2012 – 11/05/2012	<i>Hybrid Dynamical Systems: Stability and Control</i>	Andrew Teel
<b>M14</b> 14/05/2012 – 18/05/2012	<i>Mean Field Stochastic Systems and Control</i>	Peter E. Caines
<b>M15</b> 21/05/2012 – 25/05/2012	<i>Distributed Control</i>	A. Stephen Morse
<b>Istanbul M16</b> 16/04/2012 – 20/04/2012	<i>Controlled Synchronisation of Physical Systems</i>	Antonio Loría / Elena Panteley
<b>Istanbul M17</b> 23/04/2012 – 27/04/2012	<i>Optimality, Stabilization, and Feedback in Nonlinear Control</i>	Francis Clarke
<b>L'Aquila M18</b> 14/05/2012 – 18/05/2012	<i>Specification, Design and Verification of Distributed Control Systems</i>	Richard Murray / Ufuk Topcu