

Independent Graduate Modules, one 21 hours module per week (3 ECTS)

Deadline for advance registration: - to the modules M01 to M09: 12/01/2020

- to the modules M10 to M25: 08/03/2020



<b>M01 – MUMBAI</b> 27/01/2020-31/01/2020	<i>From Data to Decisions: the Scenario Approach (Systems, Control, Machine Learning)</i>	Marco C. Campi, University of Brescia, Italy Simone Garatti, Politecnico di Milano, Italy
<b>M02 – SAN DIEGO</b> 03/02/2020-07/02/2020	<i>Control of PDEs and Nonlinear Delay Systems</i>	Miroslav Krstic, Univ California, San Diego, USA Nikolaos Bekiaris-Liberis, Tech. University Crete, Greece
<b>M03 – EINDHOVEN</b> 10/02/2020-14/02/2020	<i>Networked Control of Multi-Agent Systems</i>	Jan Lunze, Ruhr-University Bochum, Germany
<b>M04 – PARIS-SACLAY</b> 17/02/2020-21/02/2020	<i>Extremum Seeking Control: Methods, Theory and Applications</i>	Denis Dochain, Univ. Catholique de Louvain, Belgium Martin Guay, Queen's University, Canada
<b>M05 – PARIS-SACLAY</b> 24/02/2020-28/02/2020	<i>Modeling and Control of Nonlinear and Distributed Parameter Systems: the Port Hamiltonian Approach</i>	Arjan van der Schaft, Univ.Groningen, Hans Zwart, Univ. Twente, Netherlands, Yann Le Gorrec, ENS2M, France
<b>M06 – PARIS-SACLAY</b> 02/03/2020-06/03/2020	<i>Introduction to Nonlinear Systems &amp; Control</i>	Hassan K. Khalil, Michigan State University, USA
<b>M07 – ISTANBUL</b> 09/03/2020-13/03/2020	<i>Specification, Design, and Verification of Self-Driving Cars</i>	Richard M. Murray, Caltech, Pasadena, USA & Nok Wongpiromsarn, nuTonomy, Singapore
<b>M08 – PARIS-SACLAY</b> 16/03/2020-20/03/2020	<i>Cyber-Physical and data-driven Systems: Algebraic and Optimization techniques</i>	Raphaël Jungers, Univ. Catholique de Louvain, Belgium
<b>M09 – MONTERREY, MX</b> 23/03/2020-27/03/2020	<i>Energy-Based Control Design to Face the Challenges of Future Power Systems</i>	Romeo Ortega, CNRS L2S, Univ. Paris-Saclay, France Johannes Schiffer, Brandenburg Univ. Tech., Germany
<b>M10 – PARIS-SACLAY</b> 30/03/2020-03/04/2020	<i>Model Predictive Control</i>	Eduardo F. Camacho, University of Sevilla, Spain
<b>M11 – STOCKHOLM</b> 13/04/2020-17/04/2020	<i>Control and Optimization of Autonomous Power Systems</i>	Florian Dörfler & Saverio Bolognani, Swiss Federal Institute of Technology (ETHZ), Switzerland
<b>M12 – SINGAPORE</b> 20/04/2020-24/04/2020	<i>An Introduction to Financial Markets for the Uninitiated: New Research Directions for Engineers</i>	B. Ross Barmish, University of Wisconsin, Madison, USA Napat Rujeerapaiboon, National University of Singapore
<b>M13 – PADOVA</b> 20/04/2020-24/04/2020	<i>Distributed Computation and Control</i>	A. Stephen Morse, Yale University, USA
<b>M14 – LONDON</b> 27/04/2020-01/05/2020	<i>Computational Issues in Nonlinear Control and Estimation</i>	Arthur Krener, Naval Postgraduate School, Monterey CA, USA
<b>M15 – ISTANBUL</b> 27/04/2020-01/05/2020	<i>Stability and Stabilisation of Nonlinear Time-Varying Systems: Applications to Multi-Agent systems</i>	Elena Panteley & Antonio Loria CNRS L2S, Paris-Saclay, France
<b>M16 – MUMBAI</b> 04/05/2020-08/05/2020	<i>Homogeneity Based Design of Sliding Mode Controllers</i>	Leonid Fridman & Jaime Alberto Moreno Pérez, UNAM, Mexico, Bijan Bandyopadhyay, IITB, Bombay, India
<b>M17 – TOULOUSE</b> 11/05/2020-15/05/2020	<i>Sparsity and Big Data in Control, Systems Identification and Machine Learning</i>	Mario Sznajder, Northeastern Univ, MA, USA
<b>M18 – SHANGHAI</b> 18/05/2020-22/05/2020	<i>Hybrid Control Design</i>	Ricardo G. Sanfelice, University of California at Santa Cruz, California, USA
<b>M19 – PARIS-SACLAY</b> 25/05/2020-29/05/2020	<i>Time-Delay and Sampled-Data Systems</i>	Emilia Fridman, Tel Aviv University, Israel Pierdomenico Pepe, University of L'Aquila, Italy
<b>M20 – LAUSANNE</b> 01/06/2020-05/06/2020	<i>Decentralized and Distributed Control</i>	Giancarlo Ferrari-Trecate, EPFL, Switzerland Marcello Farina, Politecnico di Milano, Italy
<b>M21 – MARSEILLE</b> 08/06/2020-12/06/2020	<i>Introduction to Discrete Event Systems</i>	Stephane Lafortune, University of Michigan, USA Christos Cassandras, Boston University, USA
<b>M22 – LONDON</b> 15/06/2020-19/06/2020	<i>Introduction to Optimal and Stochastic Control</i>	Alessandro Astolfi & Giordano Scarcioffi, Imperial College, London, UK
<b>M23 – ROME</b> 22/06/2020-26/06/2020	<i>Dynamic Control Allocation</i>	Andrea Serrani, Ohio State University, USA, Sergio Galeani & Mario Sassano Univ. Rome "Tor Vergata", IT
<b>M24 – PRAGUE</b> 29/06/2020-03/07/2020	<i>LMI for Optimization and Control</i>	Didier Henrion, CNRS LAAS, University of Toulouse, France
<b>M25 – BERLIN</b> 06/07/2020-10/07/2020	<i>Robust and Adaptive Output Regulation of Multivariable and Hybrid Systems</i>	Alberto Isidori, Sapienza Università di Roma, Italy Lorenzo Marconi, Università di Bologna, Italy

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