

## Different locations



**Independent Graduate Modules – one 21 hours module per week (3 ECTS)**  
**Deadline for advance registration to each module: 31/12/2017**

M01 – PARIS-SACLAY 15/01/2018-19/01/2018	<i>Nonlinear Model Predictive Control</i>	Frank Allgöwer, Matthias A. Müller, University of Stuttgart, Germany
M02 – PARIS-SACLAY 22/01/2018-26/01/2018	<i>Stability of switched linear systems: finite and infinite dimension</i>	Yacine Chitour, Univ. Paris-Sud, Paris-Saclay, France Mario Sigalotti, Ecole Polytechnique, France
M03 – PARIS-SACLAY 29/01/2018-02/02/2018	<i>The scenario approach for systems, control and machine learning</i>	Marco C. Campi, University of Brescia, Italy & Simone Garatti, Politecnico di Milano, Italy
M04 – L'AQUILA 05/02/2018-09/02/2018	<i>Time-delay and sampled-data systems</i>	Emilia Fridman, Tel Aviv University, Israel Pierdomenico Pepe, University of L'Aquila, Italy
M05 – PARIS-SACLAY 12/02/2018-16/02/2018	<i>Modeling and Control of Distributed Parameter Systems: the Port Hamiltonian Approach</i>	Yann Le Gorrec, ENS2M, Besançon, France Hans Zwart, University of Twente, The Netherlands
M06 – PARIS-SACLAY 19/02/2018-23/02/2018	<i>Adaptive extremum-seeking control</i>	Denis Dochain, Univ. Catholique de Louvain, Belgium Martin Guay, Queen's University, Canada
M07 – PARIS-SACLAY 26/02/2018-02/03/2018	<i>Game theory and distributed control</i>	Jeff S. Shamma, KAUST, Kingdom of Saudi Arabia Jason R. Marden, Univ. of California, Santa Barbara, USA
M08 – PARIS-SACLAY 05/03/2018-09/03/2018	<i>Introduction to Nonlinear Systems &amp; Control</i>	Hassan K. Khalil, Michigan State University, USA
M09 – PADOVA 12/03/2018-16/03/2018	<i>Computational Issues in Nonlinear Control and Estimation</i>	Arthur Krener, Naval Postgraduate School, Monterey CA, USA
M10 – PARIS-SACLAY 19/03/2018-23/03/2018	<i>Model-Based Fault Diagnosis - a Linear Synthesis Framework using MATLAB</i>	Andreas Varga, Gilching - Former Senior Scientist at the German Aerospace Center, Germany
M11 – BERLIN 19/03/2018-23/03/2018	<i>Control of Timed and Untimed Discrete Event Systems</i>	Joerg Raisch, Technical University of Berlin, Germany Laurent Hardouin, University of Angers, France
M12 – PARIS-SACLAY 26/03/2018-30/03/2018	<i>Sliding mode control and observation</i>	Christopher Edwards, University of Exeter, UK
M13 – PARIS-SACLAY 26/03/2018-30/03/2018	<i>Cyber-Physical systems control: Algebraic and Optimization techniques</i>	Raphaël Jungers, Univ. Catholique de Louvain, Belgium
M14 – PARIS-SACLAY 09/04/2018-13/04/2018	<i>Modeling, analysis and design of wireless sensor and actuator networks</i>	Alessandro D'Innocenzo, University of L'Aquila & Carlo Fischione, KTH Royal Inst. Tech., Sweden
M15 – L'AQUILA 09/04/2018-13/04/2018	<i>Nonlinear control design via Lyapunov functions and positivity-based techniques</i>	Frédéric Mazenc, INRIA, Paris-Saclay, France
M16 – PADOVA 16/04/2018-20/04/2018	<i>Lyapunov stability and stabilisation without Lyapunov functions</i>	Elena Panteley, Antonio Loria CNRS-L2S, Paris-Saclay, France
M17 – PARIS-SACLAY 16/04/2018-20/04/2018	<i>Time-delay systems: Lyapunov functional and matrices</i>	Vladimir Kharitonov, RAS, Saint-Peterburg, Russia
M18 – PARIS-SACLAY 23/04/2018-27/04/2018	<i>Model Predictive Control</i>	Jan Maciejowski, University of Cambridge, UK
M19 – ST PETERSBURG 23/04/2018-27/04/2018	<i>Convergence theory for observers</i>	Laurent Praly, CAS - École des Mines de Paris, France
M20 – ZURICH 07/05/2018-11/05/2018	<i>Distributed Computation and Control</i>	A. Stephen Morse, Yale University, USA
M21 – PARIS-SACLAY 14/05/2018-19/05/2018	<i>Sparsity and Big Data in Control, Systems Identification and Machine Learning</i>	Mario Sznajder, Northeastern Univ, MA, USA
M22 – PARIS-SACLAY 14/05/2018-19/05/2018	<i>Formal Methods for Discrete-Time Dynamical Systems</i>	Calin A. Belta, Boston University, USA
M23 – ISTANBUL 21/05/2018-25/05/2018	<i>Control-oriented modeling and system identification</i>	Emmanuel Witrant, Univ. Joseph Fourier, GIPSA, Grenoble, France
M24 – PARIS-SACLAY 28/05/2018-01/06/2018	<i>Switched systems and control</i>	Daniel M. Liberzon, University of Illinois, USA
M25 – BERLIN 04/06/2018-08/06/2018	<i>Distributed Coordination of Multi-agent Systems</i>	Wei Ren, University of California, Riverside, USA

Chair: Françoise Lamnabhi-Lagarrigue <lamnabhi@l2s.centralesupelec.fr>