International Graduate School on Control
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Module	Title	Lecturers
M01 – PARIS-SACLAY 14/01/2019-18/01/2019	*Formal Methods in Control Design - from Discrete Synthesis to Continuous Controllers*	**Calin A. Belta,** *Boston University, USA* **Antoine Girard,** *CNRS L2S, Univ. Paris-Saclay, France*
M02 – MADRAS 21/01/2019-25/01/2019	*Practical Adaptive Control*	**Anuradha Annaswamy,** *MIT, USA*
M03 – PARIS-SACLAY 21/01/2019-25/01/2019	*Neuronal Excitability: Modeling, Control and Interconnection Principles*	**Rodolphe Sepulchre,** *Univ. Cambridge, UK,* **Guillaume Drion,** *Univ. Liège, Belgium,* **Alessio Franci,** *UNAM*
M04 – PARIS-SACLAY 28/01/2019-01/02/2019	*Sliding Mode Control and Observation*	**Christopher Edwards,** *University of Exeter, UK*
M05 – ISTANBUL 04/02/2019-08/02/2019	*The Scenario Approach: Making Decisions in an Uncertain World (Systems, Control, Machine Learning)*	**Marco C. Campi,** *University of Brescia, Italy* **Simone Garatti,** *Politecnico di Milano , Italy*
M06 – PARIS-SACLAY 11/02/2019-15/02/2019	*Stochastic Models in Systems & Synthetic Biology*	**Alessandro Borri & Pasquale Palumbo,** *CNR-IASI Rome, Italy*
M07 – PARIS-SACLAY 04/03/2019-08/03/2019	*High-Gain Observers in Nonlinear Feedback Control*	**Hassan K. Khalil,** *Michigan State University, USA*
M08 – PADOVA 11/03/2019-15/03/2019	*Model-Based Fault Diagnosis - a Linear Synthesis Framework using MATLAB*	**Andreas Varga,** *retired from German Aerospace Center* **Daniel Ossmann,** *German Aerospace Center*
M09 – BERLIN 18/03/2019-22/03/2019	*Computational Issues in Nonlinear Control and Estimation*	**Arthur Krener,** *Naval Postgraduate School, Monterey CA, USA*
M10 – BERLIN 25/03/2019-29/03/2019	*Energy-Based Control Design to Face the Challenges of Future Power Systems*	**Romeo Ortega,** *CNRS L2S, Univ. Paris-Saclay, France* **Johannes Schiffer,** *Brandenburg Univ. of Technology, DE*
M11 – GRONINGEN 01/04/2019-05/04/2019	*Frequency and Nonlinear Control Designs*	**Frédéric Mazenc & Catherine Bonnet,** *INRIA, Paris-Saclay, France*
M12 – GENOA 08/04/2019-12/04/2019	*Nonlinear Observers: Applications to Aerial Robotic Systems*	**Robert Mahony & Jochen Trumpf,** *Australian Nat. Univ* **Tarek Hamel,** *CNRS Sophia-Antipolis, France*
M13 – RIO DE JANEIRO 08/04/2019-12/04/2019	*Homogeneity Based Design of Sliding Mode Controllers*	**Leonid Fridman & Jaime Alberto Moreno Pérez** *Instituto de Ingeneria, UNAM, Mexico*
M14 – KAUST 14/04/2019-18/04/2019	*Game Theory and Distributed Control*	**Jeff S. Shamma,** *KAUST, Saudi Arabia* **Jason R. Marden,** *Univ. of California, Santa Barbara, USA*
M15 – LONDON 29/04/2019-03/05/2019	*Model Reduction for Linear and Nonlinear Systems*	**Alessandro Astolfi & Giordano Scarciotti,** *Imperial College, London, UK*
M16 – ZURICH 06/05/2019-10/05/2019	*Robust and Adaptive Output Regulation of Multivariable and Hybrid Systems*	**Alberto Isidori,** *Sapienza Università di Roma, Italy* **Lorenzo Marconi,** *Università di Bologna, Italy*
M17 – BERLIN 06/05/2019-10/05/2019	*Distributed Coordination of Multi-agent Systems*	**Wei Ren,** *University of California, Riverside, USA*
M18 – L'AQUILA 13/05/2019-17/05/2019	*Hybrid Control Design*	**Ricardo G. Sanfelice,** *University of California at Santa Cruz, California, USA*
M19 – LUND 20/05/2019-24/05/2019	*Distributed Computation and Control*	**A. Stephen Morse,** *Yale University, USA*
M20 – PARIS-SACLAY 27/05/2019-31/05/2019	*Time-Delay and Sampled-Data Systems*	**Emilia Fridman,** *Tel Aviv University, Israel* **Pierdomenico Pepe,** *University of L'Aquila, Italy*
M21 – PARIS-SACLAY 03/06/2019-07/06/2019	*Multi-Agent Distributed Optimization and Learning over Wireless Networks*	**Luca Schenato & Ruggero Carli** *Università di Padova, Italy*
M22 – PARIS-SACLAY 10/06/2019-14/06/2019	*Predictive and Optimization Based Control for Automotive and Aerospace Applications*	**Ilya Kolmanovsky,** *University of Michigan* **Stefano Di Cairano,** *Mitsubishi Res. Lab Boston, USA*
M23 – ST PETERSBURG 17/06/2019-21/06/2019	*Introduction to Geometric Nonlinear Control Theory and Applications*	**Witold Respondek,** *Normandie Univ., INSA de Rouen, France*

Module			Lecturers
M24 – SICHUAN 15/07/2019-27/07/2019	*Co-organized in the framework of the* **International Summer School on Mathematical Control** Zhang Xu zhang_xu@scu.edu.cn	*PDE Control*	**Enrique Zuazua,** *Universidad Autonoma Madrid, Spain*
M25 – SICHUAN 08/07/2019-19/07/2019		*Stochastic Control*	**Jiongmin Yong,** *University of Central Florida, USA*
M26 – SICHUAN 15/07/2019-27/07/2019		*Stochastic PDE Control*	**Qi Lü,** *Sichuan University, China*
M27 – SICHUAN 08/07/2019-12/07/2019		*Quantum Control*	**Pierre Rouchon,** *Mines Paris Tech, France*

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