

International Graduate School on Control

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

Different LOCATIONS	Deadline for advance registration to each module: 20/12/2014	
M1 – PARIS-SACLAY 19/01/2015 – 23/01/2015	<i>Advanced topics in the optimal control of economic systems</i>	Raouf Boucekkine, GREQAM, Aix-Marseille School of Economics, France
M2 – PARIS-SACLAY 26/01/2015 – 30/01/2015	<i>Moments, positive polynomials and LMIs for optimal control</i>	Didier Henrion & Jean-Bernard Lasserre CNRS LAAS, University of Toulouse, France
M3 – PARIS-SACLAY 02/02/2015 – 06/02/2015	<i>The scenario approach for robust control, identification, and machine learning</i>	Marco C. Campi, University of Brescia, Italy & Simone Garatti, Politecnico di Milano, Italy
M4 – PARIS-SACLAY 16/02/2015 – 20/02/2015	<i>Control-oriented modeling and system identification</i>	Emmanuel Witrant, University Joseph Fourier, GIPSA, Grenoble, France
M5 – PARIS-SACLAY 23/02/2015 – 27/02/2015	<i>Decentralized and distributed control</i>	Giancarlo Ferrari-Trecate, University of Pavia & Marcello Farina, Politecnico di Milano, Italy
M6 – PARIS-SACLAY 02/03/2015 – 06/03/2015	<i>Model Predictive Control</i>	Eduardo F. Camacho, University of Sevilla, Spain
M7 – STUTTGART 02/03/2015 – 06/03/2015	<i>Randomized algorithms for systems, control and networks</i>	Roberto Tempo & Fabrizio Dabbene CNR-IEIT, Politecnico di Torino, Italy
M8 – ISTANBUL 09/03/2015 – 13/03/2015	<i>Introduction to nonlinear systems analysis and nonlinear feedback control</i>	Hassan K. Khalil, Michigan State University, USA
M9 – BERLIN 16/03/2015 – 20/03/2015	<i>Nonlinear control for physical systems</i>	Roger W. Brockett, Harvard SEAS, USA & Alexandre L. Fradkov, RAS, St-Petersburg, Russia
M10 – BELGRADE 23/03/2015 – 27/03/2015	<i>Extremum seeking</i>	Miroslav Krstic, Univ. California, San Diego, USA
M11 – PARIS-SACLAY 23/03/2015 – 27/03/2015	<i>Feedback control of quantum systems</i>	Pierre Rouchon, Mines-ParisTech, France & Alain Sarlette, Ghent University, Belgium
M12 – PARIS-SACLAY 30/03/2015 – 03/04/2015	<i>Local methods for nonlinear systems and control</i>	Rodolphe Sepulchre, Univ. of Cambridge, UK
M13 – PARIS-SACLAY 06/04/2015 – 11/04/2015	<i>Sliding mode control and observation</i>	Christopher Edwards, Univ. of Exeter, UK
M14 – PARIS-SACLAY 13/04/2015 – 18/04/2015	<i>Attractive ellipsoid method in robust nonlinear control</i>	Alexander Poznyak, CINVESTAV-IPN, Mexico
M15 – ISTANBUL 13/04/2015 – 18/04/2015	<i>Advances in feedback design for MIMO nonlinear systems</i>	Alberto Isidori, University of Rome "La Sapienza", Italy
M16 – ST PETERSBURG 20/04/2015 – 25/04/2015	<i>Time-delay systems: Lyapunov functional and matrices</i>	Vladimir Kharitonov, St.-Petersburg State University, Russia
M17 – GRENOBLE 27/04/2015 – 31/04/2015	<i>Distributed control and computation</i>	A. Stephen Morse, Yale University, USA
M18 – GRENOBLE 04/05/2015 – 07/05/2015	<i>Identification in closed loop operation and controller reduction</i>	Ioan D. Landau, CNRS GIPSA-LAB, Grenoble, France & Alireza Karimi, EPFL, Switzerland
M19 – ISTANBUL 04/05/2015 – 08/05/2015	<i>Modeling and control of multiphysics systems</i>	Arjan van der Schaft, University of Groningen & Dimitri Jeltsema, TU Delft, The Netherlands
M20 – PARIS-SACLAY 11/05/2015 – 15/05/2015	<i>Hybrid systems : modeling, stability, robustness, and the math behind it</i>	Rafal K. Goebel, Loyola Univ. Chicago, IL, USA
M21 – PARIS-SACLAY 18/05/2015 – 22/05/2015	<i>Hybrid feedback control systems : analysis and design</i>	Ricardo G. Sanfelice, Univ. California at Santa Cruz, California, USA
M22 – PARIS-SACLAY 25/05/2015 – 29/05/2015	<i>Switched systems and control</i>	Daniel M. Liberzon, Univ. of Illinois, USA
M23 – PARIS-SACLAY 01/06/2015 – 05/06/2015	<i>Predictive and optimization based control for automotive and aerospace applications</i>	Ilya Kolmanovskiy, Univ. of Michigan, USA & Stefano Di Cairano, Mitsubishi Res. Lab Boston
M24 – PARIS-SACLAY 08/06/2015 – 12/06/2015	<i>Networked control with limited data rates</i>	Girish Nair, Univ. of Melbourne, Australia