

## 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                               |  |
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| M1 – PARIS-SACLAY<br>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<br>26/01/2015 – 30/01/2015   | <i>Moments, positive polynomials and LMIs for optimal control</i>                          | Didier Henrion & Jean-Bernard Lasserre<br>CNRS LAAS, University of Toulouse, France            |
| M3 – PARIS-SACLAY<br>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<br>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<br>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<br>02/03/2015 – 06/03/2015   | <i>Model Predictive Control</i>  | Eduardo F. Camacho, University of Sevilla, Spain   |
| M7 – STUTTGART<br>02/03/2015 – 06/03/2015      | <i>Randomized algorithms for systems, control and networks</i>                             | Roberto Tempo & Fabrizio Dabbene<br>CNR-IEIT, Politecnico di Torino, Italy                     |
| M8 – ISTANBUL<br>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<br>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<br>23/03/2015 – 27/03/2015      | <i>Nonlinear control over networks with sampling &amp; delays OR Extremum seeking?</i>     | Miroslav Krstic, Univ. California, San Diego, USA & Iason Karafyllis, NTUA, Athens, Greece     |
| M11 – PARIS-SACLAY<br>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<br>30/03/2015 – 03/04/2015  | <i>Local methods for nonlinear systems and control</i>                                     | Rodolphe Sepulchre, Univ. of Cambridge, UK   |
| M13 – PARIS-SACLAY<br>06/04/2015 – 11/04/2015  | <i>Sliding mode control and observation</i>  | Christopher Edwards, Univ. of Exeter, UK   |
| M14 – PARIS-SACLAY<br>13/04/2015 – 18/04/2015  | <i>Attractive ellipsoid method in robust nonlinear control</i>                             | Alexander Poznyak, CINVESTAV-IPN, Mexico   |
| M15 – ISTANBUL<br>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<br>20/04/2015 – 25/04/2015 | <i>Time-delay systems: Lyapunov functional and matrices</i>                                | Vladimir Kharitonov, St.-Petersburg State University, Russia                                   |
| M17 – GRENOBLE<br>27/04/2015 – 31/04/2015      | <i>Distributed control and computation</i>   | A. Stephen Morse, Yale University, USA   |
| M18 – GRENOBLE<br>04/05/2015 – 08/05/2015      | <i>Identification in closed loop operation and controller reduction</i>                    | Ioan D. Landau, CNRS GIPSA-LAB, Grenoble, France & Alireza Karimi, EPFL, Switzerland           |
| M19 – ISTANBUL<br>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<br>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<br>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<br>25/05/2015 – 29/05/2015  | <i>Switched systems and control</i>  | Daniel M. Liberzon, Univ. of Illinois, USA   |
| M23 – PARIS-SACLAY<br>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<br>08/06/2015 – 12/06/2015  | <i>Networked control with limited data rates</i>   | Girish Nair, Univ. of Melbourne, Australia   |