

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

Deadline for early registration:

- Modules M01 - M02 : 1 month before the course
- Modules M04 - M18 : 2 months before the course

Registration : www.eeci-igsc.eu

admin-eeci@centralesupelec.fr

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| M01 LUCCA 02/02/26-06/02/26 | <i>Model Predictive Control: From Theory to Applications Through Numerical Methods</i> | Paolo Falcone, Chalmers University, Sweden; Mario Zanon, IMT Lucca, Italy |
| M02 PARIS-SACLAY 09/03/26-12/03/26 | <i>Nonlinear and data-driven model predictive control</i> | Frank Allgöwer, University of Stuttgart, Germany; Matthias A. Müller, Leibniz Univ. Hannover, Germany |
| M03-Cancelled | <i>Data-driven and sample-based methods in optimization and control</i> | Teodoro Alamo, University of Seville, Spain; Fabrizio Dabbene, CNR-IEIT, Italy |
| M04 NANTES 07/04/26-10/04/26 | <i>Stabilization of PDEs by means of linear or nonlinear feedback laws</i> | Swann Marx, CNRS, Université de Nantes, France; Christophe Prieur, CNRS, Univ. Grenoble Alpes, France |
| M05 DELFT 13/04/26-17/04/26 | <i>Formal Methods in Control Design: Abstraction, Optimization, and Data-driven Approaches</i> | Calin Belta, University of Maryland, USA; Antoine Girard, CNRS, CentraleSupélec, France |
| M06 BIRMINGHAM 13/04/26-17/04/26 | <i>Game Theory with Engineering Application</i> | Dario Bauso, University of Groningen, the Netherlands; Leonardo Stella, Birmingham University, UK |
| M07 TORINO 20/04/26-24/04/26 | <i>Optimization over networks and collaborative learning</i> | Bahman Ghahesifard, Queen's University, Canada; Julien Hendrickx, UC Louvain, Belgium |
| M08 BESANÇON 27/04/26-30/04/26 | <i>Modelling and control of distributed parameter systems: The port Hamiltonian approach</i> | Yann Le Gorrec, ENS2M, France; Hans Zwart, University of Twente, the Netherlands |
| M09 HAMBURG 04/05/26-08/05/26 | <i>Data-based systems and control theory</i> | Kanat Camlibel, Univ. of Groningen, the Netherlands; Paolo Rapisarda, Univ. of Southampton, UK; Henk van Waarde, Univ. of Groningen, the Netherlands |
| M10 TORINO 11/05/26-15/05/26 | <i>Big Data, Sparsity and GenAI in Control, Systems Identification and Machine Learning</i> | Mario Sznajder, Northeastern University, USA |
| M11 LONDON 18/05/26-22/05/26 | <i>Multi-Agent Optimization and Learning: Resilient and Adaptive Solutions</i> | Nicola Bastianello, KTH, Stockholm, Sweden; Ruggero Carli & Luca Schenato, Univ. di Padova, Italy |
| M12 PARIS 01/06/26-05/06/26 | <i>An overview on observer design methods for nonlinear systems</i> | Vincent Andrieu, CNRS, Université de Lyon, France ; Pauline Bernard, Mines Paris - PSL |
| M13 SEVILLE 08/06/26-12/06/26 | <i>Time-delay and sampled-data systems</i> | Emilia Fridman, Tel Aviv University, Israel; Pierdomenico Pepe, Univ. of L'Aquila, Italy; Alexandre Seuret, Univ. of Seville, Spain |
| M14 LEUVEN 15/06/26-19/06/26 | <i>Deep Learning for System Identification</i> | Dario Piga & Marco Forgione, SUPSI, Lugano, Switzerland |
| M15 OXFORD 15/06/26-19/06/26 | <i>Biological Control Systems</i> | Armin Baumschlager, Lonza, Switzerland; Corentin Briat, FNHW, Switzerland; Jean-Baptiste Lugagne, Univ. of Oxford, UK |
| M16 OXFORD 22/06/26-26/06/26 | <i>Optimization and Control of Complex Multi-Agent Systems</i> | Kostas Margellos, University of Oxford, UK; Alessandro Falsone and Maria Prandini, Politecnico di Milano, Italy |
| M17 ZARAGOZA 22/06/26-26/06/26 | <i>Equivariant Systems Theory and Observer Design for Autonomous Systems</i> | Robert Mahony & Jochen Trumppf, Australian Nat. Univ., Australia; Tarek Hamel, Université Côte d'Azur, France |
| M18 PARIS-SACLAY 29/06/26-03/07/26 | <i>Bootcamp for Supervisory Control of Discrete-Event Systems, with Hands-On Python Software Tool</i> | Kai Cai, Osaka Metropolitan University, Japan |

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