



University of Pavia

Ph.D. School of Electrical and Electronics Engineering and Computer Science
Ph.D. School in Microelectronics

Lecture series on Industrial Control

Prof. George Stephanopoulos
Massachusetts Institute of Technology

The lectures will cover several topics ranging from structural observability and controllability to synthesis of control structures for large-scale systems and process safety management.

| Date | Lecture topics |
|---|---|
| 30/05/16 14:00 – 16:00, Room E4 | The Control of Processing Systems – Characteristics and Associated Problems – Part I |
| 31/05/16 18:00 – 20:00, Almo Collegio Borromeo | Process Safety: A Control-Inspired, System Theoretic Approach |
| 01/05/16 9:00 – 11:00, Room E4 | The Control of Processing Systems--- Characteristics and Associated Problems – Part II |
| 06/06/16 14:00 – 16:00, Room E4 | Structural Analysis of Systems |
| 07/06/16 18:00 – 20:00, Almo Collegio Borromeo | Continuous Improvement: Systems-Thinking in Management of Process Operations |
| 08/06/16 9:00 – 11:00, Room E4 | Introduction to Plant-Wide Control |

Reading Material: slides and book chapters will be available. Students will be expected to read this material. No additional textbooks are required.

Prerequisites: Fundamentals of automatic control, basic knowledge of mathematics and geometry.

Organizers

Prof. Davide M. Raimondo
Prof. Lalo Magni

Ph.D. Coordinators

Prof. Paolo Di Barba
Prof. Franco Maloberti

The course will be taught in English
For more information: davide.raimondo@unipv.it