



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
01/06/16 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
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