Ph.D. Program in Electronics, Computer Science and Electrical Engineering

COURSE

Real-Time Physical Systems

Prof. T. Facchinetti

OBJECTIVES

The course will discuss some of the topics related to Real-Time Physical Systems (RTPSs), i.e., the application of real-time scheduling methodologies to system in which the variation of a physical quantity is determined by the schedule. The application will focus on electric load management for peak load shaving.

PROGRAM

- Introduction to RTPSs
- Background on real-time scheduling
- Energy systems and peak shaving
- RTPS applied electric load management

EVALUATION

Each student will be asked to analyze a paper related to the chosen field, and then give a short presentation to the class.

ATTENDANCE

The course will take place in the GREEN Seminar Room (D floor). Students who are not currently in Pavia can contact the professor to receive a ZOOM link.

LECTURES: 10h; CREDITS: 5 CFU

DATES: 19/6 (14:00-16:00), 23/6 (15:00-17:00), 26/6 (14:00-16:00)
           9/7 (14:00-16:00), 21/7 (14:00-16:00)

Ph.D. Coordinator

Prof.ssa Ilaria Cristiani

Seminar in English
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