
ARTIST Summer School in Morocco – 2010

Embedded & Real-Time Systems

<http://www.artist-embedded.org/artist/-ARTIST-Summer-School-in-Morocco-.html>
RABAT – ENSIAS July 11-16 2010

Overview

The considerable and rapid evolution of microelectronics and nanotechnology has led to a rising miniaturization of embedded systems. This miniaturization trend has resulted in the development of tiny embedded systems, which are being buried into more and more everyday objects. These smart devices will, in the near future, be omnipresent everywhere from clothes to homes, supermarkets, cars, public transports, industrial automation, environment, etc. being connected to each other, the users and other base systems using networks of diverse types.

Given the pertinence of this innovative technology, the dissemination of this key success factor in developing countries is very much motivated. In this respect, the ArtistDesign NoE is organizing a summer school on Embedded Systems, in collaboration with ENSIAS. This school, given by distinguished European lecturers, offers a full week consisting of five in-depth tutorials on state-of-the-art techniques for the design and analysis of embedded and real-time systems and networks.

Objectives

This summer school has as objective to give thorough tutorials in embedded and real time systems for graduate students, postgraduates, researchers and industrials. It aims to strengthen the cooperation between European and Moroccan institutes in the area of embedded and real-time systems, both at educational and research levels and provides an opportunity for research-related discussions among the participants and eventually the setup of new projects.

Targeted Audience

The school is open for participation for every interested person, however, some previous training and/or experience in fundamentals of computer science as well as knowledge of computer architecture and networking are required.

Venue & Registration

The summer school will be held at ENSIAS Mohammed V Souissi University Rabat Morocco. Please see the summer school's website for registration and travel information.

Speakers

Professor Peter Marwedel (TU Dortmund, Germany)
From specification languages to code generation

Professor Giorgio Buttazzo (Scuola Superiore Sant'Anna, Pisa, Italy)
Real-time operating systems and scheduling

Professor Luis Almeida (University of Porto, Portugal)
Real-time networks

Professor Lothar Thiele (ETHZ Zürich, Switzerland)
System analysis

Professor Brian Nielsen (University of Aalborg, Denmark)
Performance analysis of distributed real-time systems

Organizing Committee

ENSIAS

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- Rdouan Faizi
- Faissal El Bouanani
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- Luis Almeida
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