

Summer School on Cyber Physical Systems

August 29-September 1st, 2017, Cambridge, United Kingdom

CALL FOR PARTICIPATION

LOCATION

University of Cambridge
Churchill College
Cambridge, UK

REGISTRATION FEES

Students: 200€
University members: 250€
Industry delegate: 350€
One day delegate: 100€

REGISTRATION DEADLINE

August 20, 2017

GENERAL CHAIRS

Daniela DRAGOMIRESCU – INSA Toulouse,
LAAS-CNRS

Florin UDREA - University of Cambridge,
Fellow of Royal Academy of Engineering

CONTACT

Operational Manager: Brigitte DUCROCQ,
LAAS-CNRS Communication
contact-cps2017@laas.fr

Cyber-Physical Systems (CPS) are an emerging topic worldwide encompassing the next generation of engineered systems. They are the major enabler for smart wearable devices, smart homes, smart cities, Factory of the Future, E-Health and overall the Industry 4.0.

Cyber-Physical Systems are intended to connect the physical world by sensing the environment to the virtual world of data analysis and processing.

The summer school will focus on inter-disciplinary subjects covering the development of CPS with a special focus this year on Industrial IoT.

It will address the main areas of CPS: (i) smart sensors, (ii) communication and networking, (iii) energy harvesting and energy management (iv) security and (v) data mining. All topics will be addressed through lecturers and practical demonstrations, given by internationally recognized researchers. Use cases will be presented by industry experts.

A CPS demo afternoon is organized as well as an industry exhibition.

Targeted participants are Ph.D. and Master students, engineers and researchers worldwide. The attendees have the opportunity (not compulsory) to present their research work during the "CPS in action" session (5 min pitch demo or video). The Ph.D. students can also present a poster of their work. Awards for Ph.D posters and CPS in action will be given at the end of the school.

Two social events will be organized to network with the fellows in the CPS field and enjoy the wonderful punting on the river Cam.

<https://cps2017.sciencesconf.org/>



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