

# Summer School on Cyber Physical Systems

July 16-20<sup>th</sup>, 2018, Toulouse, France

## CALL FOR PARTICIPATION

### LOCATION

INSA Toulouse  
Electrical and Computer Engineering  
Department  
Toulouse, France

### REGISTRATION FEES

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

### REGISTRATION DEADLINE

July 12, 2018

### GENERAL CHAIRS

Daniela DRAGOMIRESCU – INSA Toulouse,  
LAAS-CNRS  
Florin UDREA - University of Cambridge,  
Fellow of Royal Academy of Engineering

### CONTACT

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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 on **Industrial Internet of Things**.

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 half a day will be dedicated to different CPS Hands-on Workshops. An industrial exhibition will be also organized.

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 city of Toulouse.

<https://cps2018.sciencesconf.org/>

