



Photo by Olivier Jaudent

1st Summer School on Critical Embedded Systems

<http://websites.isae.fr/cesecchair/summerschool>

2-11 July, 2013

Toulouse, France

Localization

ISAE/DMIA

10 avenue Edouard Belin

BP 54032

31055 Toulouse Cedex 4, France

Registration Fees

- Student, Academic: 200 €
- Industry delegate: 500 €

Registration Deadline

June, 25th 2013

Steering Committee

J. Cardoso -- ISAE

P. Farail -- Airbus

C. Fraboul -- INP-ENSEEIH

P.E. Hladik -- INSA Toulouse

J. Hugues -- ISAE

S. Prudhomme -- Airbus

A. Rossignol -- Astrium

For any question, please contact

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CALL FOR PARTICIPATION

The Summer School on Critical Embedded Systems aims at presenting state-of-the-art techniques, methodologies and tools for the engineering of critical embedded systems across its life-cycle, from early requirement elicitation up to certification. It is organized by the safety-Critical Embedded SysEms Chair – CESEC.

The Summer School will provide students with scientific and technical sessions on hot topics in this domain, but also practical sessions to consolidate new know-hows.

For its inaugural session, the Summer School will focus on a fertile multi-domain theme: engineering of drones, covering paths from system engineering down to electrical engineering, including architecture and control/command aspects.

Animated by practitioners from the industry and the academia, the School will cover the following topics:

- UAVs: introduction to a family of systems for new mission and services
- Operation of UAVs in shared sky, certification and safety issues
- System Architecture: interfaces, dimensioning, sensors, actuators
- Systems Engineering: from mission statements to requirement engineering;
- System Validation and Verification: performance, safety, qualification, etc.
- Design and implementation: control laws, software and electronic design;

Demonstration sessions indoor and outdoor will complete the summer school, turning concepts into live and exciting moments.

The summer school is organized in collaboration with the MAV Research Center.

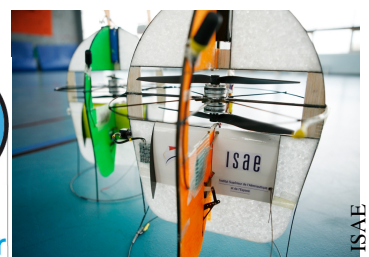
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