



Call for Participation

DREAMS Final Workshop

Friday, September 29th, 2017

09:00 – 17:40 o'clock

Location: Universitat Politècnica de València, Valencia, Spain

In many domains such as avionics, industrial control, or healthcare, there is an increasing trend for mixed-criticality systems (MCS), where multiple functions with different importance and certification assurance levels are integrated using a shared computing platform. The foundations for this integration are mechanisms for temporal and spatial partitioning, with key technological challenges including the combination of software virtualization, hardware segregation and the extension of partitioning mechanisms to jointly address significant extra functional requirements (e.g., time, energy and power budgets, reliability, safety, security, etc.).

The goal of this workshop is to discuss the latest developments in the area of distributed real-time architectures for mixed-critical systems with a group of experts in the domain. Acquire latest information on mixed-criticality architectures and experience the technological results of the DREAMS project demo sessions, including several live demonstrations of the technologies. Take the opportunity to meet the experts in this field and benefit from discussions in small groups. Inform yourself about novel architectural trends and find out how to improve your architecture with fail-operational designs.

Workshop Details:

- Presentations and Demonstrations on the Novel DREAMS Concepts:
 - DREAMS Development Methodology: Modelling and Tooling
 - Chip-level, Cluster-level Virtualization for Mixed-Criticality Systems
 - Execution environments for Mixed-Criticality Systems
 - Resource Management in Mixed-Criticality Systems
 - Modular certification and Security in mixed-criticality systems
 - Simulation of hierarchical mixed-criticality systems
- Presentations of the Industrial DREAMS Partners on:
 - Avionics Demonstrator, Assessment and Demo
 - Windpower Demonstrator, Assessment and Demo
 - Healthcare Demonstrator, Assessment and Demo
- Road-mapping and Future Research in Mixed-Criticality Systems

Registration:

The workshop is free of charge. As the number of participants is limited, REGISTER NOW!
Save your place via e-mail to: workshop@dreams-project.eu

