



## CALL FOR PAPERS - SPECIAL SESSION

### “Safety, Reliability and Security of Cyber Physical Systems” for CODIT’22

May 17-20, 2022 ▪ Istanbul, Turkey

#### Session Co-Chairs:

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#### Session description

Driven by the rapid advancements in electronics, information and communication technology, disruptive changes are taking place in the modern society. Due to the ever-increasing demands on the performance of machines and services, not only are intelligent components and devices implemented and networked, but real-time supervision and control systems are also running in parallel. Consequently, the degree of automation in modern industrial systems is continuously growing. Cyber-physical systems connect the virtual and the physical domains to enable online timely exchange of data streams, whereas at the same time, introduce novel risks in safety, reliability and security. This Special Session is to provide a forum for researchers and industrial engineers to exchange their latest results that contribute to a safer, more reliable, and more secure design and implementation of cyber-physical systems, and to discuss the vital issues, challenges and possible future trends. The papers to be accepted in this Special Session are expected to provide novel techniques, approaches, or tools with practical applications.

The topics of interest include, but are not limited to:

- Data-driven performance evaluation, diagnosis, decisions and their applications
- Data-driven optimization methods and applications
- Approaches and tools for digital twin construction (incl. Data-driven system identification)
- Fault propagation and risk analysis
- Model-free or data-driven fault-tolerant control designs and applications
- Real-time model-free learning methods and practical applications

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## **SUBMISSION**

Papers must be submitted electronically for peer review through PaperCept by **January 07, 2022** : <http://controls.papercapt.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDIT 2022 link** **“Submit a Contribution to CoDIT 2022” and follow the steps.**

**IMPORTANT:** All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format).

## **DEADLINES**

January 07, 2022: deadline for paper submission

March 4, 2022: notification of acceptance/reject

March 30, 2022: deadline for final paper and registration