



CALL FOR PAPERS
SPECIAL SESSION ON

**“Formal Methods applied to Transportation and Scheduling problems”
for CODIT’18**

April 10-13, 2018 – Thessaloniki, Greece

Session Co-Chairs

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Session description

Recent developments in cyber-physical systems lead to huge changes in the models, methods and tools used to help the decision making in numerous domains. In particular the introduction and development of smart manufacturing, smart services, smart cities and so on represent new exiting challenges, in particular, in the fields of production and transportation. But in order to transform the paradigms of the future such as « order by a mouse-click and get your product or service tomorrow at home » into reality, a lot of work is still needed at modeling and optimization levels. Discrete event formalism, models and methods are concerned at first.

This session is devoted to the development and use of formal tools and methods with discrete event systems to contribute to these new challenges. The aim is to discuss the new trends, review industrial needs and present innovative solutions in the transportation and production sectors. The session includes the following topics, but not restricted to:

Discrete event formalisms, Dioid algebra, Automata and Petri nets, Modelling and simulation, Decision support systems, Optimization and scheduling, Resource allocation, Smart transportation, Smart manufacturing, ...

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **December 10, 2017**: <http://controls.papercept.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDIT 2018 link “Submit a Contribution to CoDIT’18” and follow the steps.**

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

December 10, 2017: deadline for paper submission

February 4, 2018: notification of acceptance/reject

February 28, 2018: deadline for final paper and registration.