CALL FOR PAPERS
SPECIAL SESSION ON
"Petri Nets Models for Modelling, Control and Optimization"
for CODIT'18
April 10-13, 2018 – Thessaloniki, Greece

Session Co-Chairs

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Session description

The challenge for the researchers and engineers is to deal with the planning, the modelling, the analysis, the verification, the control, the scheduling, and the control implementation of the systems. Petri nets were developed by Carl Petri as a mathematical tool of describing activities, resources, and system states. They have been used to model, analyze and evaluate control system behavior. In addition, It is a graphical language applicable to a large variety of discrete systems. In addition, Petri Nets allow a variety of extensions (timed, colored, object oriented, continuous, labeled,…)that can be adapted to specific applications while preserving a graphical aspect. Considering the performance of the Petri Nets tool in terms of modelling synchronizations, parallels, conflicts and sharing of resources, this tool is seen as an important research way for modelling and evaluation of systems.

This special issue focuses on the using of Petri Nets tool for the Modelling, Optimization, Evaluation, Control and Analysis:

Diagnosis Methods Based on Petri Net, Petri Nets for Control, System design decisions using Petri Nets, Petri Nets for Analysis, Monitoring of systems using Petri Nets, Diagnosis of Petri Nets, Reliable computation using Petri nets, Reliability and Maintenance Engineering, …

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.