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Special
Session

4th International Conference on
Control, Decision and
Information Technologies

April 5-7, 2017

CoDIT'17

Website: www.codit2017.com

Barcelona, Spain



CALL FOR PAPERS
SPECIAL SESSION ON

“Petri nets models for modeling, control and optimization”
for CODIT'17

April 5-7, 2017 – Barcelona, Spain

Session Co-Chairs :

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Session description

The challenge for the researchers and engineers is to deal with the planning, the modeling, 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 modeling synchronizations, parallels, conflicts and sharing of resources, this tool is seen as an important research way for modeling and evaluation of systems. This special issue focuses on the using of Petri Nets tool for the Modeling, 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

Please submit your full paper choosing the right Special Session (**03-Special Session: Petri nets models for modeling, control and optimization**) on the EasyChair for CoDIT'17 website:

<https://easychair.org/conferences/?conf=codit17>

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).

IMPORTANT DATES

December 4, 2016: deadline for paper submission

February 2, 2017: notification of acceptance/reject

February 26, 2017: deadline for final paper and registration.
