

Paris, France
April 23-26, 2019



6th International Conference on Control,
Decision and Information Technologies

CoDIT'19

CALL FOR PAPERS
SPECIAL SESSION ON
“Petri nets models for modeling, control and optimization”
for CODIT'19
April 23-26, 2019 –Paris, France

Session Co-Chairs :

Dr. Patrice Bonhomme, University of Tours, France (bonhomme@univ-tours.fr)

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Session description

Important challenges for researchers and engineers are related to planning, modeling, analysis, verification, control, scheduling, and implementation of systems. Petri nets introduced by Carl Petri as a mathematical tool of describing activities, resources, and system states are extensively used for discrete (concurrent) systems. They have a graphical representation being possible to see the token game facilitating the understanding of system behavior. In order to adapt these models to specific domain applications, a variety of extensions of Petri nets have been defined (e.g., timed, colored, object oriented, continuous, labeled,...). Considering the performance of the Petri Net in terms of modeling synchronizations, parallels, conflicts and sharing of resources, this tool is an important research way for the modeling and evaluation of systems. This special issue focuses on the usage of Petri Nets tool for the Modeling, Optimization, Evaluation, Control and Analysis:

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

- Diagnosis methods based on Petri nets,
- Petri nets for control,
- System design decisions using Petri nets,
- Petri nets for analysis,
- Monitoring of systems using Petri nets,
- Reliable computation using Petri nets,
- Reliability and maintenance engineering,
- Security issues with Petri nets
- Applications and case studies
- ...

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **December 05, 2018:** <http://controls.papercept.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDIT 2019 link “Submit a Contribution to CoDIT'19”** 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 05, 2018: deadline for paper submission

February 08, 2019: notification of acceptance/rejection

February 28, 2019: deadline for final paper submission and registration

Prospective authors should let us know as soon as possible if they intend to submit a paper, by sending a title, a list of authors, and a short abstract with indication of the relationship to the session theme by **Monday, November 19, 2018.**