



# Call for Papers

## Special Session

3RD International Conference on  
**Control, Decision and  
Information Technologies**

April 6-8, 2016

# CoDIT'16

Website : [www.codit2016.com](http://www.codit2016.com)

Saint Julian's, Malta

CALL FOR PAPERS  
SPECIAL SESSION ON

Papers submission deadline  
extended to **January 07, 2016**

**“Petri nets models for modeling, control and optimization”**

for CODIT'16

April 6-8, 2016 – Saint Julian's, Malta

#### Session Co-Chairs :

Dr. Achraf J Tilmoudi, *University of Sousse, Tunisia*

Dr. Patrice Bonhomme, *University of Tours, France*

Dr. Alexandre Sava, *University of Lorraine, France*

#### 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. They have also been used in software engineering. It is a graphical language and due to its power of description and its facility of simulation, this tool is 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:*

- *System design decisions using Petri Nets,*
- *Petri Nets for Analysis,*
- *Petri Nets for Control,*
- *Petri Nets for Evaluation Petri*
- *Monitoring of systems using Petri Nets,*
- *Petri Nets based system scheduling*
- *Reliable computation using Petri nets, Modeling of robustness using Petri Nets,*
- *Reliability and Maintenance Engineering,*
- ...

*Application Areas:*

- *Manufacturing Systems, Supply chain management, Transportation, Information Technology, software engineering, Service Systems, ...*

*Also Theatrical studies will be considered for this Invited Session*

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## **SUBMISSION**

Please submit your full paper choosing the right track on the Conference Management Toolkit (Microsoft's CMT) site: <https://cmt.research.microsoft.com/CODIT2016/>

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). Click on the icon to download the Call For Papers.

January 7, 2016: deadline for paper submission

February 7, 2016: notification of acceptance/reject

March 2, 2014: deadline for final paper and registration.