

CALL FOR PAPERS  
SPECIAL SESSION ON“Graphical Methods for Dynamical Systems control and software design”  
for CODIT’18

April 10-13, 2018 –Thessaloniki, Greece

**Session Co-Chairs :**Prof. Belkacem OULD BOUAMAMA, France, [belkacem.ouldbouamama@univ-lille1.fr](mailto:belkacem.ouldbouamama@univ-lille1.fr)Prof. Hafid HAFFAF, University of Oran, Algeria, [haffaf\\_hafid@yahoo.fr](mailto:haffaf_hafid@yahoo.fr)**Session description**

This special session deals with the problem of a review of the literature suggests a large spectrum of graphical modelling approaches for control and diagnosis analysis of continuous and hybrid systems. Furthermore, because of their graphical aspect, such models are well suited for informatics implementation and software development for model and diagnosis systems builder.

The graphical representations of the behavioural model are directed graphs (digraph), linear graphs, bipartite graphs, causal graphs, bond graph.

**Goal.** How to elaborate such models (structural, bond graph, causal graph, digraph, ), how to develop the diagnosis and control algorithms from those representations, what are the links and differences between these models, what are the limits and the complementarities of each method,...? Such are the questions we want to contribute and discuss during this session from an industrial and theoretical point of view.

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

- Bond Graph, linear graph, bipartite graph, structural analysis theory
- Control and diagnosis Systems
- Mechatronics and power Systems
- Software and Tools, Industrial Applications.

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**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.