

Paris, France
April 23-26, 2019



6th International Conference on Control,
Decision and Information Technologies

CoDIT'19

CALL FOR PAPERS
SPECIAL SESSION ON
“Failure Prognostics of Complex Systems”
for CODIT'19
April 23-26, 2019 – Paris, France

Session Co-Chairs :

Prof. Belkacem Ould Bouamama, Polytech'Lille - CRISAL, France

Prof. Kamal Medjaher, École Nationale d'Ingénieurs de Tarbes - LGP, France

Session description

This special session deals with the problem of failure prognostics of complex systems. These systems, characterized by uncertainties, nonlinear and stochastic phenomena, are subject to degradations and failures that impact negatively their performances. Their continuous monitoring becomes then essential to ensure their availability and reliability and reduce their maintenance costs. This monitoring aims at detecting the current health state of the system and estimating its remaining useful life leading to a proactive and dynamic planning of maintenance interventions.

The goal of this session is then to gather original scientific and practical contributions dealing with failure prognostics. More particularly, contributions addressing data-driven, model-based and hybrid approaches are encouraged.

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

- Model-based failure prognostics
- Data-driven failure prognostics
- Hybrid failure prognostics
- System level prognostics
- Prognostics metrics
- Case studies

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **December 21, 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 21, 2018: deadline for paper submission

February 08, 2019: notification of acceptance/reject

February 28, 2019: deadline for final paper and registration