



**CALL FOR PAPERS
SPECIAL SESSION ON**

“Diagnosis, Inspection and Maintenance Planning in Manufacturing Systems”

**for CODIT'18
April 10-13, 2018 – Thessaloniki, Greece**

Session Co-Chairs :

Dr. Imene Djelloul, *Higher School of Applied Sciences of Algiers (ESSAA), Algeria*

Prof. Zaki Sari, *Manufacturing Engineering Laboratory of Tlemcen (MELT), Algeria*

Session description

In recent decades, many researchers have faced some maintenance problems in several application fields such as industrial engineering. From a reliability studies, there are situations where failures of a component can only be detected through inspections. The purpose of inspections is to identify whether the component is in a working state or not, and thereby to plan and carry out necessary maintenance actions if needed. During the lifetime of the component, it is inspected and then must be replaced by either corrective or preventive replacement according to the inspection results. However, it is important to plan maintenance actions in order to avoid failures with a satisfying cost.

The goal of the proposed session is to discuss the scientific challenges and the specific improvements related to the diagnosis and maintenance decisions. These may include: 1) development of new paradigms and approaches for inspection schedule as well as for maintenance optimization in complex systems 2) other advances related to diagnosis systems.

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

- Reliability and maintenance
- Inspection\ Condition-based maintenance
- Fault detection and diagnosis
- Prognostics and monitoring systems
- Metaheuristic methods in reliability and maintenance

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.