



7th International Conference on Control, Decision and Information Technologies

June 29 – July 2, 2020

Prague, Czech Republic

CALL FOR PAPERS SPECIAL SESSION ON

“Machine Learning Techniques for Predictive Maintenance and fault diagnosis” for CODIT’20

June 29 - July 2, 2020 ▪ Prague, Czech Republic

Session Co-Chairs:

Dr. Tsivalalaina David Razafimahefa, *University of Antsiranana, Madagascar (david.razafimahefa@gmail.com)*

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Prof. Stefka Nedeltcheva, *Technical University of Sofia, Bulgaria*

Session description

This special session deals with the problem of building predictive models using Machine Learning to solve specific engineering system such as regression and classification problems applied to industrial processes.

The goal of this special session is to obtain a good perspective into the current state of practice of Machine Learning to address various predictive problems, and also collect ideas and innovative techniques concerned predictive maintenance and fault diagnosis using machine learning techniques.

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

- Artificial intelligence Ai
- Artificial Neural Networks
- Classification
- Clustering
- Computer Engineering
- Decision Support
- Decision Trees
- Deep learning
- Electrical Engineering
- Evolutionary Algorithms
- Expert Systems
- Fault diagnosis
- Fault tolerant
- Fuzzy Logic & Systems
- Hybrid Intelligent Models
- Industrial Engineering
- Remaining Useful life
- Software Engineering
- Support Vector Machine
- Sustainable and Renewable Energy

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **January 24, 2020**:

<http://controls.papercapt.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDIT 2020 link** **“Submit a Contribution to CoDIT 2020” and follow the steps.**

IMPORTANT: 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

January 24, 2020: deadline for paper submission

April 10, 2020: notification of acceptance/reject

May 7, 2020: deadline for final paper and