

Call
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Papers

Special
Session

4th International Conference on
Control, Decision and
Information Technologies

April 5-7, 2017

CoDIT'17

Website: www.codit2017.com

Barcelona, Spain



CALL FOR PAPERS
SPECIAL SESSION ON

“Recent trends in maintenance, production and quality”
for CODIT'17

April 5-7, 2017 – Barcelona, Spain

Session Co-Chairs :

Dr. Mohammed Dahane, Université de Lorraine, Metz. France

Dr. M'hammed Sahnoun, CESI Engineer School, Rouen. France

Dr. Belgacem Bettayeb, Ecole des Mines de Nantes, Nantes, France

Dr. Taebok Kim, Hanyang University, Seoul. Korea

Dr. Purushottam Meena, New York Institute of Technology, New York. USA

Session description

Integrated approaches in the management and the design of production systems have become an important issue during last decades. This integration aims to simultaneously take into account several constraints of the production system like maintenance scheduling, demand requirement during maintenance, machines reliability, production planning, inventory sizes, quality control, human resources management, etc. Several studies are dealing with the integration of the maintenance and the production to optimize, for example, preventive maintenance dates and machines production rates and maintenance staff scheduling with production planning...

Other studies are interested to the integration of the production management and the quality control. These studies may investigate, for example, interactions between production lot size and the quality sampling, quality investment for less defective items...

Last years have seen the emergence of the joint consideration of maintenance, production and quality. In this integration several problems may be considered, like machines' selection in production system design based on the reliability and production characteristics of machines...

In this context, this invited session is interested in studies dealing with a joint decisions relating to maintenance strategies, production management and/or quality control. It aims to gather original papers dealing with applications of optimization and simulation techniques. Papers that discuss real case studies are highly recommended.

Researchers and practitioners are invited to submit original papers dealing with the following topics but are not limited to:

- Maintenance scheduling
- Systems reliability optimization
- Integrated maintenance
- Production planning
- Joint quality and production
- Integrated analysis of quality, production and maintenance
- Simulation techniques in maintenance, production and quality
- Optimization of maintenance, production and quality
- Investment for quality improvement

SUBMISSION

Please submit your full paper choosing the right Special Session (**20-Special Session: Recent trends in maintenance, production and quality**) on the EasyChair for CoDIT'17 website:

<https://easychair.org/conferences/?conf=codit17>

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).

IMPORTANT DATES

December 4, 2016: deadline for paper submission

February 2, 2017: notification of acceptance/reject

February 26, 2017: deadline for final paper and registration.
