Risk Assessment In Integrated Maintenance Problem Under Industrial Constraints

Abstract:

The realities of economic markets impose constraints on manufacturing firms. These constraints are increasingly difficult to achieve, such as diversifying products, improving their quality, maintenance of the equipment, reducing costs and reducing delays. They are satisfied by better organization of manufacturing systems using existing technical resources and optimal planning. In this context, new models and approaches are developed to find the optimal production/maintenance planning under industrial constraints. In this framework, a rare work that have considered the risk assessment. Thus, Risk Assessment In Integrated Maintenance Problem Under Industrial Constraints will be a new conference special session, providing an excellent forum for scientists, researchers, engineers and industrial practitioners to meet and share experiences, theoretical knowledge or application examples based on the latest trends in the production/maintenance planning under industrial constrains, as well as future directions and trends aimed to deal with the risk assessment following the optimal production/maintenance planning.

Session topics: The session chairs invite researchers from academia, decision-makers from industry and policy-makers from government to contribute theoretical and applied research papers in areas including but not limited to the following topics:

- Risk assessment in manufacturing systems.
- Integrated maintenance.
- Reliability and maintenance
- Production planning.
- Lot sizing.
- Carbon footprint and carbon trading.
- Supply Chain Management
- Assembly/disassembly systems.
- Modelling and optimization of the manufacturing systems.
- Etc..

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