MIM 2013

IFAC Conference on Manufacturing Modelling,

Management and Control

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Special Session on: "Artificial Intelligence and Machine Learning Approaches to Industrial Automation and Decision Making"

Session Organizers:

Joaquim Filipe, Portugal; Leonid Sheremetov, Mexico

Session Description:

AI technologies have many successful applications in industry. The Special Session is focusing on further exploiting AI for competitive edge. It is intended to provide an open room for discussion of ongoing high level research on theoretical and practical issues of the industrial applications of Artificial Intelligence and Machine Learning technologies. The special attention will be focused (but not limited to) on the recent developments of computational intelligence technologies for multi-criteria decision making, industrial automation and logistics:

- artificial neural networks
- chaos theory
- evolutionary algorithms
- expert systems
- fuzzy logic
- pattern recognition
- data mining
- intelligent agents
- rough sets

In particular, we foster papers concerning the interplay of different AI-approaches to decision making under uncertainty. Both original research works and practical applications are welcomed.

Keywords: artificial intelligence, machine learning, decision making, automation

Contacts: joaquim.filipe@estsetubal.ips.pt, sher@imp.mx

For author guidelines, please refer to http://mim2013.org/