Invited session:

"Investigation on Material Handling in Flexible Manufacturing Systems"

For MIM 2013

Session chairs;

Prof. SARI Zaki, Manufacturing Engineering Laboratory of Tlemcen – ALGERIA

Dr. GHOMRI Latéfa, Manufacturing Engineering Laboratory of Tlemcen – ALGERIA

Material handling is an important component in flexible manufacturing systems because a significant percentage of time that material spends on a shop floor is spent either in waiting or in transportation. An efficient material handling system guarantees a less congestion, a timely delivery and a reduced idle time of machines.

The aim of this invited session is to provide an overview of the state-of-the-art as well as to gather original and recent contributions of current research directions in the specific fields of Material handling systems modeling and analysis.

Topics of interest include but are not limited to:

- Modeling and simulation of Automated storage/retrieval systems ;
- Material Handling Facilities and Systems
- Bulk and Powdered Material Handling Technology
- Pneumatic, Hydraulic and Capsule Conveying
- Industrial Vehicles, AGVS
- Inspection, Modification and Maintenance of Equipment
- Safety in Handling
- Container Units and Container Equipment
- Physical internet
- Industrial Robots and Manipulators
- Assembly and Assembly Systems
- Modeling, Optimization and Simulations
- Control Techniques and Control Systems
- Material Flow and Facilities Layout
- Intelligent Material Handling Systems and Machines
- Logistics and Supply Chains
- Distribution Centers and Automation in Warehousing
- Ports and Logistics
- Intermodal Transport Systems and Logistics
- Supply Chain Management
- Educational aspects of MHCL
- Eco Design

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