

IFAC Conference on Manufacturing Modeling, Management, and Control

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Special Session on:

Analysis of Supply and Production Systems

Sponsored by the Research Program 'THALIS'

Proposed by:

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Short Presentation: Supply and production systems play a significant role to the provision of goods and services to the customer. To achieve customer satisfaction, increase productivity and reduce the involved costs there is a need for analysis, modeling, design and optimization of these systems. Optimization of production systems, optimal design of multi-echelon supply chain networks, as well as throughput analysis of production systems and remanufacturing planning are a few problems that may be addressed, among others. Towards this end, both performance evaluation techniques and optimization algorithms are used.

Keywords: throughput analysis, performance evaluation, design of production systems, design of multi-echelon supply chain networks, optimization algorithms, heuristics, inventory routing problems, remanufacturing planning, etc.

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Important dates: November 16, 2012: deadline for invited papers submission

February 1, 2013: notification of papers acceptance/rejection

April 15, 2013: final papers submission and early registration

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