

# CALL FOR PAPERS

## Stochastic Models of Manufacturing and Service System Operations

Special Issue of the *Journal of Flexible Services and Manufacturing*

### Purpose

The purpose of this volume is to present innovative results in the area of stochastic models of manufacturing and service system operations. Many researchers throughout the world have been developing new ideas, theories, and methodologies for the performance and optimization of these activities. We believe that a wide dissemination of these results will benefit the community of both theoreticians and practitioners. This special volume is intended to accomplish this goal, and all members of the community are invited to submit a paper. The contributions will be reviewed in accordance with the standard *Journal of Flexible Services and Manufacturing* procedures. Manuscripts should be submitted electronically <http://www.editorialmanager.com/flex/> whence they will then be forwarded to the other editors so as to equally balance the workload among them.

The main theme of this volume is manufacturing system operations. The term “service system operations” is intended to refer mainly to functions that are supportive of manufacturing system operations (e.g., quality control, maintenance, setup changes, material handling, inventory control and logistics, etc). Manuscripts that focus on the integration of such functions with manufacturing system operations are particularly welcome. Manuscripts that focus on the operations of other non-manufacturing related service systems will also be considered as long as they demonstrate that these operations are strongly related to manufacturing system operations in terms of their characteristics and the methodologies used to analyze them.

### Indicative Topics:

- Stochastic modeling and analysis of manufacturing systems
- Design and optimization of manufacturing systems
- Facilities planning and material handling systems analysis
- Buffer allocation and resource planning
- Production planning, management, and control
- Stochastic scheduling systems and control
- Analytical approaches to logistics and supply chain management
- Integrated productivity and quality models, and their analysis

### Important dates

- Intent to submit: February 21, 2018 (communicate your intent to submit to any of the special volume editors listed below)
- Manuscript submission deadline: March 30, 2018
- Notification of disposition of the manuscript: July 31, 2018
- Final revisions due: October 1, 2018
- Anticipated on-line publication date: Spring 2019

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