CALL FOR PAPERS

New Developments in Stochastic Models of Manufacturing and Service Operations

Special issue of the *International Journal of Production Research*

**Purpose**

The purpose of this issue is to present state-of-the art research results in the area of stochastic models for the analysis, design, coordination, and control of manufacturing and service system operations. Surveys in this area are also welcome. Although the title includes both manufacturing and service systems, the main emphasis is on manufacturing system operations. The term “service operations” is intended to refer mainly to functions that are supportive of manufacturing system operations. 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.

Specific topics of interest include but are not limited to:

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

A number of new results in the thematic area of this volume were presented in the 9th Conference on “Stochastic Models of Manufacturing and Service Operations,” Kloster Seeon, Germany, 25-30 May 2013 (http://www.smmso.org/SMMSO2013/), which attracted several leading scholars. This special volume is intended to disseminate these new results together with those obtained by other researchers in this area. We believe that such dissemination will benefit both theoreticians and practitioners. All members of the community are invited to submit a paper.

**Review Process**

The contributions will be reviewed in accordance with the standard *International Journal of Production Research* procedures. Authors should prepare their paper in accordance to the online Instructions for Authors and submit it via http://mc.manuscriptcentral.com/trps. In Step 4 (“Details and Comments”) of the submission process, when asked the question, “Is this manuscript for a special issue?” they should answer “Yes” and select “Stochastic Models of Manufacturing and Service Operations” from the drop down menu.

**Important dates**

Manuscript submission deadline: August 31, 2014
Notification of disposition of the manuscript: November 30, 2014
Final revisions due: June 30, 2015

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