CALL FOR PAPERS

New Developments in Stochastic Models of Manufacturing and Service System 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 system 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 Ninth Conference on “Stochastic Models of Manufacturing and Service Operations,” Kloster Seeon, Germany, 25-30 May 2013 (smms2013.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. We invite all members of the community to submit a paper.

Review Process

The contributions will be reviewed in accordance with the standard International Journal of Production Research procedures. Authors should submit their paper via http://mc.manuscriptcentral.com/tprs and select “Special Issue: Stochastic Models of Manufacturing and Service System Operations” when asked in Step 5 of the submission process “Details and Comments” the following question: “Is this manuscript for a special issue?” Please answer “Yes” and select “Stochastic Models of Manufacturing and Service System Operations” from the drop down menu.

Important dates

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

Special Issue Editors

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