

CALL FOR PAPERS

Advances in Stochastic Models of Manufacturing and Service Operations

Special volume of the *Annals of Operations Research*

Purpose

The purpose of this volume 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 operations, 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 at the Eighth Conference on “Stochastic Models of Manufacturing and Service Operations,” Kusadasi, Turkey, 28 May--2 June 2011 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 *Annals of Operations Research* procedures. Manuscripts must be submitted online to the journal’s editorial management system. For instructions for authors please go to <http://www.springer.com/journal/10479>. When submitting your paper, you will be asked to select an article type. Please select "SI: 2011 Manufacturing & Service Ops." so that your paper will be directed to the editors.

Important dates

- Manuscript submission deadline: January 1, 2012
- Anticipated on-line publication date: Within one month of acceptance

Special Volume Editors

- Stanley B. Gershwin, Massachusetts Institute of Technology (Gershwin@mit.edu)
- George Liberopoulos, University of Thessaly, Greece (glib@mie.uth.gr)
- Semyon Meerkov, University of Michigan, USA, (smm@eecs.umich.edu)
- Chrissoleon T. Papadopoulos, Aristotle University of Thessaloniki, Greece
(hpap@econ.auth.gr)
- Baris Tan, Koç University, Turkey (btan@ku.edu.tr)