

## **CALL FOR PAPERS**

### ***International Journal of Production Economics***

Special Issue

### **Interdisciplinary Research in Operations Management**

Special Issue Guest Editors

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#### **Introduction**

Over the past fifty years, research in the operations management (OM) discipline has emerged from the shadow of operations research and industrial engineering and has become a major focus of business research, together with finance and marketing. It has gone through different stages of transformations and emphases on topics studied, such as MRP in the 1970s, JIT in the 1980s, and TQM in the late 1980s and early 1990s. Starting from the late 1990s, researchers recognized that operations is only one functional area and, to be successful, operations management researchers must interface with their peers in the research fields of marketing, finance, engineering, and other functional areas. Therefore, in addition to the knowledge of operations research tools, operations management researchers must also understand business strategy, marketing concepts, financial tools, and effectiveness of information technology (systems).

Several recent research trends can be identified in the field of operations management. Among these are increasing numbers of studies that integrate operations management decision making with other area decisions such as the OM/Marketing interface and the OM/Finance interface. As the field of operations management has shifted its attention to interdisciplinary practices, the research scope for operations research and operations management becomes richer and more vibrant than in the past.

## Objective

This special issue of the *International Journal of Production Economics (IJPE)* will focus on the interdisciplinary research of operations management with other business functions, engineering fields, and other disciplines. The topics include, but are not limited to:

- The effect of dynamic pricing policies on production/inventory systems
- Applying risk management, portfolio analysis, real options, etc. approaches to production decisions and supply chain management
- Incorporating information technology decisions (e.g., RFID, ERP, e-business) with operations management
- Sustainability issues, including reverse logistics, recoverable manufacturing systems, etc.
- Operations management considerations in product-line design and the effects of product variety on manufacturing
- Decentralized decision making in operations and services
- Integration of operations management and marketing decisions
- or any topic that addresses the interface between operations management and other disciplines.

## Preparation and Submission of Manuscripts

This special issue considers all kinds of research methodologies such as modeling, optimization, algorithms, simulation, case studies, event studies, and industrial surveys. Papers are expected to be original contributions, covering specific topic areas in depth. All papers should meet the standard *IJPE* quality requirements and will undergo the usual review process. To prepare their manuscript, authors are asked to refer to the “Guide for Authors” that is available on the online submission and editorial system for *IJPE* (the Elsevier Editorial System, EES) at <http://www.ees.elsevier.com/ijpe/>. Authors should submit the manuscript by 31 December 2010 via EES, <http://www.ees.elsevier.com/ijpe/>, and select “Special Issue: Interdisciplinary Research in Operations Management” when asked to indicate the “Article Type” in the submission process. It is important for *IJPE* to relate articles with other research previously published in *IJPE*; therefore, authors are encouraged to refer to other works previously published in *IJPE*.

## Publication Schedule

Full paper submission	31 December 2010
Reviewer reports	31 May 2011
Revised paper submission	31 August 2011
Final manuscript submission to publisher	31 January 2012

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