



CALL FOR PAPERS

International Journal of Production Economics

Special Issue on

Advances in Optimization and Design of Supply Chains

Special Issue Guest Editors

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Introduction

Supply Chain Management (SCM) is an integral part of our daily life. Today it influences more than ever a large number of human and economic activities. SCM has been considered as a competitive strategy for integrating suppliers and customers with the objective of improving responsiveness and flexibility of manufacturing/service organizations. The optimal design of a supply chain is therefore an urgent and critical issue for SCM researchers and practitioners. As it is essential to treat the supply chain as an integrated system with physical flow of materials, manufacturing planning and control, as well as physical distribution, the development of models and approaches towards the optimization of supply chain priorities has become a challenging task for SCM.

Objective

In this special issue, we intend to bring together the latest research in optimization and design of supply chains and their applications. While research in the broad area of SCM encompasses a wide range of topics and methodologies, we expect this special issue to provide a good snapshot of current and emerging optimization and design approaches, issues, and trends within the field. The aim of this special issue is to disseminate state-of-the-art methods on optimization and design associated with supply chain activities.

Potential Topics

Potential topics include, but are not limited to:

- Supply chain co-ordination
- Inventory management in SCM
- Planning and scheduling in SCM
- Location and layout in SCM
- Optimal control in SCM
- Bullwhip effect and stability in supply chain
- Global supply chain management
- Risk management in SCM
- Sustainable supply chains
- Supply chain logistics and information management
- Distribution management in SCM
- Simulation of supply chains
- Forecasting in SCM
- Reverse logistics
- Green logistics
- Environmental management in SCM

Preparation and Submission of Manuscripts

Paper submissions must be original and contain significant contributions to the theme. To prepare their manuscript, authors are asked to closely follow the “Instructions to Authors” that is available at: <http://ees.elsevier.com/ijpe/>. Manuscripts will be refereed according to the standards of *International Journal of Production Economics*. Authors should submit the manuscript by **30 November 2009** via EES <http://www.ees.elsevier.com/ijpe/> and select “Special Issue: Advances in Optimization and Design of Supply Chains” when asked to indicate the “Article Type” in the submission process.

Publication Schedule

Full paper submission	30 November 2009
Reviewer reports	30 April 2010
Revised paper submission	31 July 2010
Final manuscript submission to publisher	31 December 2010

The special issue is scheduled for publication in 2011.

Special Issue Editors

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