

International Journal of Production Research

Special Issue

on

Industrial Logistics Systems: Theory and Applications

Guest Editors: Angappa Gunasekaran and King-Lun Choy

CALL FOR PAPERS

Industrial logistics has been playing a major role in providing a competitive advantage for companies in a networked economy and market. Industrial logistics systems consist of resources such as people, organization and technology; and information systems such as information technology/systems for managing the inbound logistics, production and outbound logistics to create value for the customers. Industrial logistics systems have become an important part of competitive manufacturing and service organizations. When manufacturing/service activities are decentralized and geographically dispersed, the role of logistics has become much more important in reducing the time to reach the market, by effectively managing the information and material flow along the supply chain. Industrial Logistics Systems did not receive adequate attention from researchers as other aspects of manufacturing/services such as production and purchasing. Realizing the importance of industrial logistics systems in the 21st century organizational competitiveness, a special issue has been proposed. The aim of this special issue is to help researchers and decision makers in understanding the processes involved in industrial logistics systems and their operations. With the help of the articles appearing in this special issue, one should be able to better understand the theory and applications of industrial logistics.

The scope of the special issue will be to present researchers and senior managers with analytical and simulation models, conceptual and empirical basis for various decisions and their performance in industrial logistics systems. Emphasis will be placed on industrial logistics modelling and performance measurement in a global supply chain. The application of operations research techniques will be explored. The prime objective of the special issue is to publish original works that demonstrates the application of operations research/management models and interesting empirical results arising from research on the evolving approaches and concepts of industrial logistics systems decision-making. Contributed papers may deal with but are not limited to:

- Industrial logistics systems strategies
- Performance measures and metrics in industrial logistics systems
- Implications of outsourcing on industrial logistics systems
- Qualitative and quantitative evaluation techniques
- Technology management in logistics
- Warehousing and material handling systems
- 3PL and e-logistics
- Global operations and logistics management
- ERP, WMS and TMS in logistics
- Logistics information systems
- Relationship management and logistics systems
- Decision support systems for truck/vehicle and freight management
- International logistics systems, operations and management
- Simulation of industrial systems
- Optimization modelling, techniques and tools for logistics system
- Fleet management and freight forwarding

- Risk management in logistics
- Contemporary logistics issues
- Supply chain enabling technologies
- Industry specific logistics systems (marine, air, land and inter-modal)
- Environmental issues in logistics management
- Human resources and knowledge management
- Internet based applications (E-commerce, M-commerce)

Submission guidelines and important dates

Manuscripts *should* be between 5000-7000 words in length, with all contributions being subjected to a double blind review process. There should be a separate title page giving the names and addresses of the authors. Manuscripts must be sent electronically to one of the guest editors no later than **March 31, 2010**, and should follow the guidelines of the *International Journal of Production Research* - <http://www.tandf.co.uk/journals/titles/00207543.asp>

Please do not submit the papers via the online submission and review system.

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