CALL FOR PAPERS

Decision Support Systems

Special Issue on

Decision Support Systems for Logistics and Supply Chain Management

Guest Editors:

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Supply chain management (SCM) has become the foundation for operations management. Since SCM has become the core of the enterprise management in the 21st century, there is a high volume of research activity to exploit the full potential of SCM in enhancing organizational competitiveness. SCM has tremendous impact on organizational performance in terms of competing based on price, quality, dependability, responsiveness, and flexibility in the global market. SCM is becoming a more matured discipline. Hence, this requires a more defined organizational structure, performance measures and metrics and decision support systems (DSS) in logistics and supply chain management. DSS is a computerized information system that supports business and organizational decision-making activities. Since Information Technology/Information System (IT/IS) is an integral component of SCM, DSS is inevitable in making available the right information at the right time so that managers can make timely and more accurate decisions. However, there is a limited research on the nature and type of DSS required to effectively manage a supply chain. Therefore, a special issue on DSS in SCM has been proposed in order to encourage further research in this area so that the full potential of DSS in logistics and SCM can be achieved.

A well designed DSS will help decision makers to extract useful information from raw data, documents, personal knowledge and/or business models with the objective of identifying and solving problems, and making decisions. The DSS in supply chain and logistics management can be a model, communication, data, document and knowledge driven. Three fundamental components of DSS architecture: (i) database or knowledge base, (ii) the model (decision context and user criteria) and (iii) use interface should be given due consideration while developing supply chain decision support systems.

The scope of the special issue will be to present researchers and practitioners with appropriate DSS for effectively developing and managing a supply chain and logistics system. The application of operations research techniques is also encouraged. The prime objective of the feature issue is to publish original works that demonstrates the application of operations research models and interesting empirical results arising from research on DSS in supply chain and logistics management. Contributed papers may deal with, but are not limited to:

-DSS for supply chain system and product design
-RFID in decision support systems of supply chain
-Intelligent decision support systems for supply chain
-Knowledge management in supply chain and logistics
-Architectural framework for DSS in logistics and supply chain
-DSS for production planning and control in a supply chain
-DSS for procurement decisions
-Decision-making and supply chain
-Design and develop of intelligent agent systems for supply chain
-Supplier or partner selection in supply chain and DSS
-DSS for production management

-DSS and E-Commerce in supply chain and logistics
-Evaluation of costs and benefits in logistics and supply chain
-Performance measure and metrics in supply chain
-Economic impact of supply chain and logistics
-Simulation modeling and DSS in supply chain management
-Enterprise Resource Planning in supply chain

Submission Guidelines and Important Dates:

Manuscripts should be between 4000-6000 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 May 31, 2010, and should follow the guidelines of the *DSS* – http://www.elsevier.com/wps/find/journaldescription.cws_home/505540/authorinstructions

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