

## CALL FOR PAPERS



IEEE Transactions on Industrial Informatics

Special Section on:

**“Radio Frequency Identification (RFID)  
Technologies in Supply Chain Management”**



### Special Section Guest Editors

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Existing production planning and inventory control systems suppose that the inventory information is accurate and complete. Unfortunately, producers are rarely completely aware of the number of items in their inventory. The reasons for inventory inaccuracy are: stock loss, transaction errors, inaccurate location, incorrectly labeled items, etc. A possible partial solution of this problem is in use of the Radio Frequency IDentification (RFID) technologies. Since, using RFID tags diminishes greatly the errors in information systems.

RFID promises to revolutionize logistical systems and supply chain management providing the total life cycle tracking of products. The main advantages of RFID technology in a supply chain are: easier management, due to real-time information; reduction of shrinkage; reduction of counterfeiting; overall visibility in supply chains, which helps maintain a competitive edge; reduction of theft.

Certain other advantages can be listed such as less rework, increased the customer trust, new potential clients required the use of RFID technologies, reduction of administrative errors, and simplification of warrantee claims.

This issue is dedicated to study the impact that RFID and other connective technologies have across supply chain.

The goal of this issue is to provide *strategic framework, conceptual and analytical models, and case studies* that focus on *implementation of these technologies* and new approaches for *inventory control, and management of engineering and manufacturing operations*. This issue addresses also the RFID challenges in supply chain synchronization, customer privacy, business process models, facility layout, handling and transportation systems.

Submissions to this Special Section must represent original material that have been neither submitted to, nor published in, any other journal. Extended versions of papers previously published in conference proceedings, digests or preprints may be eligible for consideration, provided that the authors inform the Special Section Guest Editors at the time of submission.

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**Paper submission deadline:** June 18, 2010

**Expected publication date:** August 2011 (tentative)

Note: The recommended papers for the section are subject to final approval by the Editor in Chief. Some papers may be published outside the special section, at his discretion.