



CALL FOR PAPERS

*International Journal of Production Economics*

Special Issue on

**RFID: Technology, Applications, and Impact on Business Operations**

Special Issue Editors

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## Introduction

Radio Frequency Identification (RFID) is an emerging technology that is increasingly being used in business and industry, particularly in logistics and supply chain management (SCM). Suppliers in North America have moved quickly to meet the requirements of Wal-Mart and the U.S. Department of Defence (DOD) since their announcement that suppliers to them will be required to place RFID tags on their goods by the year 2005.

RFID technology is a hot topic in business today. RFID tools have assumed an important role in supporting logistics and SCM processes. RFID tools can identify, categorize, and manage the flow of goods and information throughout a supply chain. According to the [International Data Corporation](http://www.rfidjournal.com/article/articleprint/733/-1/1/) (IDC), the market for RFID technology in U.S. retail supply chains will grow from US\$91.5 million in 2003 to US\$1.3 billion in 2008 (<http://www.rfidjournal.com/article/articleprint/733/-1/1/>). The research firm [The Freedonia Group](http://www.rfidjournal.com/article/articleprint/712/-1/1/) has too estimated that through the year 2007, the total U.S. market for smart labels will grow more than 23 per cent annually to reach 11 billion units and a value of US\$460 million. But through 2007, RFID will be by far the fastest-growing segment of the smart label market, with an estimated growth of 180 per cent annually from around 10 million RFID labels sold in 2002 (<http://www.rfidjournal.com/article/articleprint/712/-1/1/>). A report published by [Insight Research](http://www.rfidjournal.com/article/articleprint/712/-1/1/) also predicted that, by 2006, tagging will be well on its way to becoming commonplace within supply chains, including among smaller retailers and

suppliers, with an expected tag price of 1 to 2 US cents. Insight Research is expecting tagging at the item level to be widespread, virtually replacing bar coding and making the “Internet of Things” a reality (<http://www.rfidjournal.com/article/articleprint/675/-1/1/>).

Papers are sought for a special issue on “RFID Technology, Applications and Impact on Business Operations” of the *International Journal of Production Economics*. Strategic frameworks, conceptual and analytical models, and case studies focusing on the design, development, and implementation of RFID systems that make a significant contribution to the field will be considered for publication. Other areas, including new and innovative applications of RFID in business and industry, are also encouraged. Potential topics include, but are not limited to:

- RFID applications and technology in business
- RFID-based traceability systems in logistics and supply chains
- Business process redesign and RFID technology
- Quality management using RFID technology
- Costs and risks associated with RFID deployment
- RFID implementation frameworks
- Return on investment for RFID solutions
- Impact of RFID systems on value and productivity
- Impact of RFID systems on operations management
- Business value of the RFID technology
- Economic impact models of RFID technology

### **Preparation and Submission of Manuscripts**

Manuscripts should be prepared in accordance with the “Instructions to Authors” presented in the journal web site or at the back of any recent issue of the *International Journal of Production Economics*. All submissions should be e-mailed to either of the two Special Issue Editors. The PDF format is preferred, although an MS Word version is acceptable. All papers will follow the standard double blind review process. Hardcopies or PDF files of the manuscripts can be submitted to any one of the Special Issue Editors by 28 February 2006.

### **Publication Schedule**

INFORMATION	DEADLINE
Manuscript submission	28 February, 2006
Reviewer reports	31 May, 2006
Revised paper submission	31 August, 2006
Final manuscript submissions to publisher	30 November, 2006

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