

JOURNAL OF ADVANCED ENGINEERING INFORMATICS

Special Issue:

Advances in RFID Research and Applications – Technical and Business Challenges

CALL FOR PAPERS

A special issue of the *Journal of Advanced Engineering Informatics* (ISSN: 1474-0346 – <http://www.elsevier.com/locate/aei>) on the theme of technical and business challenges of developing, implementing and applying advanced RFID technology is planned for publication in 2010. The special issue is intended to promote and disseminate outstanding papers of RFID research, e.g., integrated system frameworks, novel RFID concept adoptions, innovative RFID applications and successful RFID implementation cases, in manufacturing and service sectors. The guest editors invite prospective authors to submit original manuscripts for possible publication in this special issue.

The special issue will focus on the latest advances, challenges and research progress in wireless identification and sensing systems and their innovative applications in a wide spectrum of application areas. Areas of interest include, but are not limited to:

- **RFID in Production and Manufacturing Industry:** Tracking and tracing of materials and assets using RFID technology, Work in Progress (WIP) management and RFID technology, Just in Time manufacturing and RFID technology, RFID applications in fixed-position layouts and wireless manufacturing, and impact of RFID systems on operations management
- **Challenges of RFID-Related Issues in Manufacturing and Service Sectors:** RFID strategy for the manufacturing and non-manufacturing sector, costs and risk modeling associated with RFID deployment, impact of RFID systems on value and productivity, business value of RFID technology, economic impact (ROI) models of RFID technology on productivity gains, RFID in global trade and e-business or e-commerce integration.
- **RFID Innovative Applications:** Integrating RFID into operational systems in logistic management, warehouse management, and supply chain management in various application areas, like health care industry, homes, retailers, homeland security, urban systems, and the food chain.
- **Established Best Practices for RFID Implementation:** Real-world cases to help retailers, producers and distributors to determine when and where to use RFID to achieve a high return on investment and satisfy legal, quality and consumer demands.

The special issue is open for anyone who can contribute a challenging paper on the consequences of implementing and using RFID in various application areas.

Important Dates

Deadline for full paper submission: August 30, 2009

Notification for revision: November 2009

Notification of final decision (est.): March 2010

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