

Preliminary Announcement and Call for Papers The Second International Symposium on RFID Technology

RFID in the Real World

To be held in conjunction with the 5th International conference on Sensors, Sensor Networks and Information Processing (ISSNIP), 2009.

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Melbourne, Australia

Radio Frequency Identification (RFID) technology enables the non-contact, automatic and unique identification of objects and people using radio waves. As the need for auto identification (auto-ID) systems becomes increasingly common place in many economic sectors, potential RFID applications include homeland security (RFID enabled passports), e-business (RFID enabled credit cards), e-cash (RFID enabled bank notes) and automated supply chain management. It is estimated that the RFID market in the United States alone, including systems and services will be worth US\$3 billion in 2010 increasing to around US\$26.9 billion by 2015. However, there are significant research challenges that still need to be addressed before the widespread adoption of RFID technology. The main purpose of this symposium is to serve as a forum that brings together RFID researchers and practitioners from academia, industry and government to discuss recent developments in RFID systems and technology. This platform will serve to identify key research challenges in the design, operation, analysis, practical application and optimization of RFID systems that are relevant from an industry-oriented perspective.

Topics covered will include but are not limited to:

- Novel/Innovative RFID applications
- RFID systems and architectures
- Next Generation RFID Technologies
- Performance evaluation of RFID systems/protocols
- RFID system management
- RFID data management
- Risk management and RFID
- RFID-enabled intelligence
- Data mining and RFID
- RFID security and privacy
- RFID middleware
- RFID standardisation

- Prototype implementations of RFID systems
- Frameworks for ROI analysis for RFID systems
- Real-world case studies of RFID deployments
- Human/Business factors related to RFID adoption
- RFID challenges and opportunities
- RFID in human identification and tracking
- Safety and health aspects of RFID
- RFID in home automation
- Integration of RFID with other systems (including sensors, GPS, Wi-Fi etc.)

Symposium Chair

Robin Doss, Deakin University, Australia

Programme Committee

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