

IEEE RFID 2010



April 14-15, 2010
Orange County Convention Center
Orlando, Florida, USA

Sponsored by
IEEE Technical Committee on RFID (CRFID)

CALL FOR PAPERS

Radio frequency identification (RFID) is an exciting, rapidly growing, multidisciplinary field with emerging technologies and applications. The 2010 IEEE International Conference on RFID is the premier conference for exchanging all technical RFID-related research. The conference attendance boasts an outstanding mix of practitioners and researchers from industry and academia, from around the world, and spanning numerous disciplines. IEEE RFID 2010 is an opportunity to share timely research results in all areas of RFID technologies and their applications.

The 2010 IEEE International Conference on RFID is seeking original, high-impact research papers on important RFID-related topics. Papers will be selected based on clarity, originality, importance of the problem, technical merit, and the potential impact of the results. Submitted papers must be anonymous and may be no more than 8 pages in length. All papers will be rigorously reviewed through a double-blind review process by multiple active researchers in the field. All submissions must describe original work not previously published or currently under review for publication in another conference or journal.

- **Antennas & Propagation:** Antenna theory and designs, channel measurements and modeling
- **Applications:** Reports on the introduction and operational experience of RFID applications; applications papers should have a strong technical focus and address a research issue
- **Circuits, Devices & Sensors:** Low-power RFID circuit designs, integrated sensors, energy harvesting, and non-silicon and chipless RFID
- **Communication Protocols:** Coding, modulation, anti-collision, and medium access schemes for RFID systems
- **Deployment Issues & Concerns:** EMC compatibility, tag recycling, issues in patient safety
- **Interrogators:** Architecture, algorithms, detection, sensitivity, read rate optimizations, multi-interrogator coordination and interference
- **Policy & Regulatory Issues:** Spectral management, privacy issues, co-existence of RFID systems, social implications of RFID technology
- **RF-based Localization:** Novel system approaches, technologies, and algorithms
- **RFID System Architecture:** RFID middleware, large-scale discovery services
- **Security & Privacy:** Cryptographic protocols and privacy-enhancing techniques
- **System Tools:** Tools for the design, deployment, and evaluation of RFID systems
- **Others:** If your topic does not fit within one of the above categories, you may still submit a paper; contact the TPC Chair, Dan Deavours (deavours@itrc.ku.edu), if you have any questions about the suitability of a topic

IMPORTANT DATES

Paper submissions due: **December 7, 2009**

Notifications of acceptance sent: **February 1, 2010**

Publication-ready versions uploaded: **March 1, 2010**

Conference: **April 14–15, 2010**

SUBMISSION INSTRUCTIONS

Paper submissions must be anonymous, meaning all author and institutional affiliation must be removed from the submitted paper. All submitted papers must follow the IEEE conference style guide and be no more than 8 pages in length. Accepted and presented papers will be published in the IEEE conference proceedings and in IEEE *Xplore*®.

PLEASE NOTE: To be published in the IEEE RFID 2010 Conference Proceedings and IEEE *Xplore*®, an author of an accepted paper is required to register for the conference at the *full* (member or non-member) rate, and *must* present the paper at the conference. Registration fees must be paid prior to uploading the final IEEE formatted, publication-ready version of the paper. For authors with multiple accepted papers, one *full* registration is valid for a single paper only.