

7th Annual IEEE International Conference on RFID

IEEE RFID 2013



Orange County Convention Center, Orlando, FL • April 30 - May 2, 2013

www.ieee-rfid.org/2013

CALL FOR PAPERS

Radio frequency identification (RFID) is an exciting multidisciplinary field with numerous applications. The 2013 IEEE International Conference on RFID is the premier conference for exchanging all technical research in RFID. The conference attendance boasts an outstanding mix of practitioners and researchers from industry and academia. IEEE RFID 2013 is an opportunity to share, discuss, and witness research results in all areas of RFID technologies and their applications.

The 2013 IEEE International Conference on RFID is seeking original, high-impact research papers on RFID-related topics. Papers will be selected based on originality, importance of the problem, technical merit, clarity, and the potential impact of the results. Accepted and presented papers will be published in the IEEE conference proceedings and in IEEE Xplore®.

NEW TOPICS AT IEEE RFID 2013

IEEE RFID 2013 is proud to present three new focus topics:

POWER HARVESTING

- ambient RF harvesting,
- power-optimized waveforms,
- RFID tags using kinetic, thermal, or optical power harvesting

NEXT GENERATION PHY

- MIMO and diversity techniques,
- ultra-wideband backscattering,
- hybrid narrowband/ultra-wideband RFID tags and interrogators

RFID IN BIOMED

- implantable sensors tags,
- performance analyses near/in biological fluids and tissues
- antenna/system design for biomedical applications

TOPICS

- **Antennas & Propagation:** Antenna theory and designs, channel measurements and modeling
- **Applications & Software:** RFID software, middleware, network applications, reports on the introduction and operational experience of RFID applications (scientific focus!)
- **Circuits, Devices & Interrogators:** Circuit designs, non-silicon and chipless RFID, interrogator architecture, multi-interrogator coordination and interference reduction
- **Next Generation PHY:** MIMO and diversity techniques, ultra-wideband backscattering, hybrid ultra-wideband RFID tags and interrogators
- **Localization:** Performance bounds, novel system approaches, technologies, and algorithms in RFID tag and reader localization
- **Power Harvesting:** Ambient RF harvesting, power-optimized waveforms, RFID tags using kinetic, thermal, or optical power-harvesting
- **Protocols & Security:** Coding, anti-collision, cryptography and privacy-enhancing techniques, medium access schemes
- **RFID in BioMed:** Implantable sensors tags, performance analyses near/in biological fluids and tissues, antenna/system design for biomedical applications
- **Sensors:** Integration of sensors with RFID tags, including active, passive, or chipless mechanisms; RFID sensor modeling and analysis

If your topic does not fit one of the above groups or if you are unsure which topic to select, please contact the TPC Chair at TPChair@ieee-rfid.org.

IMPORTANT DATES:

Paper submission due: **December 14, 2012**
Notifications of acceptance: **February 22, 2013**
Publication-ready version: **March 22, 2013**
Conference: **April 30 - May 2, 2013**

SUBMISSION INFORMATION:

IEEE RFID 2013 accepts papers of up to 8 pages in length, formatted in the IEEE conference style. Papers will be reviewed in a double-blind review process and published in IEEE Xplore if accepted and presented at the conference.

Submissions must be original and may not be under consideration elsewhere. Cases of plagiarism and multiple submissions will be dealt with according to IEEE policies & procedures.

CRFID MEMBER SOCIETIES:

