



The **IEEE Technical Council for RFID (CRFID)** invites the **IEEE Phoenix Section** to converge at the **2017 IEEE International Conference on RFID (IEEE RFID 2017)** being held May 9-11, 2017 at the Phoenix Convention Center. The 11th annual multi-disciplinary RFID conference is held in conjunction with RFID Journal LIVE! and provides academic and industry perspectives from around the world and facilitates face-to-face interaction with the top researchers and scientists working on RFID.

Program Topic/Specialty Areas

Antennas & Propagation - Antenna theory and designs, channel measurements and modeling, including MIMO, UWB and hybrid RFID

Applications & Software - RFID software, middleware, network applications, various applications of RFID in smart cities, scientific studies on operational experience of RFID applications, unconventional RF "identification"

Circuits, Devices, & Readers - Circuit designs, reader architecture, non-silicon and chipless RFID, multi-reader coordination and interference reduction

Energy Harvesting & Wireless Power - Ambient RF harvesting, efficiency improvements, power-optimized waveforms, kinetic, thermal, optical, and other power-harvesting methods

Internet of Things (IoT) & Next-Gen Physical Layer - RFID-enabled devices, IoT/RFID system architectures, MIMO, hybrid and UWB RFID systems, novel networking and communication concepts

Localization - Performance bounds, novel system approaches, technologies, and algorithms in RFID tag and reader localization, RF tomography and environmental sensing

Protocols & Security - Coding, anti-collision, cryptography and privacy-enhancing techniques, medium/multiple access schemes

Sensors - Integration of sensors with RFID tags, including active, passive, or chipless mechanisms; RFID sensor modeling and analysis, new sensors for RFID

Smart Cities - RFID system designs for smart cities including data mining, smart grids management, traffic flow control, mass transit monitoring, infrastructure support, revenue collections, parks management. The use of RFID in smart cities.

What to Expect from IEEE RFID 2017

- Gain **Experience** from leading experts during interactive and hands-on Workshops and Tutorials
- Receive **Insight** on the highest quality, original, high-impact research results in RFID-related topics
- Acquire **Knowledge** on the latest and newest RFID-related work presented during the Poster Session
- Engage in Discussion with the IEEE CRFID **Smart Cities Mega-Challenge** finalists' as they present their RFID Smart Cities Proposals
- Network with Your Peers at the [IEEE RFID Young Professionals Meet-Up](#) and the Annual Networking Dinner. Kick back and relax with other conference attendees, industry and academicians.

2017 IEEE RFID Keynote Speakers

Don't miss these respected thought leaders expanding on key research and innovation about today's most relevant RFID and RFID related systems topics in this constantly evolving technology that is being widely implemented to solve local and global problems in multiple disciplines and specialty areas.

Secure RFID for Trusting Devices and Data - Dr. Rene Martinez, Honeywell

Near Zero Power Radio Frequency Receivers - Dr. (Troy) Roy H Olssen III, DARPA

Special Access to RFID Journal LIVE!

The IEEE RFID 2017 conference is co-located with the RFID Journal LIVE! this year and your IEEE registration provides special access to many LIVE! networking events and sessions including the opening reception, awards, and exhibition.

Register to attend IEEE RFID 2017 and RFID Journal LIVE! 2017.ieee-rfid.org