16th Annual International Conference on RFID

IEEE RFID 2022

IEEE RFID Panasonic

◆IEEE 2022.ieee-rfid.org RFID Las Vegas, Nevada | 17–19 May 2022

Call for Papers and Posters Submission

The **16th IEEE International Conference** on RFID (IEEE RFID 2022) is seeking high-quality submissions for papers (see submission options below) in all areas of technical RFID research and application. IEEE RFID 2022 is an opportunity to share, discuss, and witness research results in all areas of RFID technologies and their applications.

General Track Topics

- **Antennas & Propagations**
  - Antenna Theory and Design
  - Channel modeling and measurements
  - MIMO, UWB, and hybrid antennas
  - Novel RFID measurement techniques
- **Applications & Software**
  - RFID software, middleware, and networking
  - RFID in smart cities
  - RFID for industry 4.0
  - RFID in retail / healthcare
  - RFID in agriculture
  - RFID in logistics and inventory management
  - RFID based infrastructure for Internet of Things
- **Protocols & Security**
  - Cybersecurity and cryptography in RFID
  - Privacy-enhancing and anti-counterfeiting techniques
  - Anti-collision techniques

- **Circuits, Devices & Interrogations**
  - Circuit designs
  - Reader architecture
  - Non-silicon tags
  - Chipless tags
  - Multi-reader coordination and interference reduction
  - Near field Communications (NFC)
- **Next-Gen RFID & ID+**
  - Green technologies for RFID
  - Millimeter-wave RFID
  - THz & optical RFID
  - Advanced coding and modulation schemes
  - WiFi- & BLE-assisted RFID
  - Novel materials in RFID
  - Microwave RFID
- **Sensors**
  - Environmental sensing
  - RFID Sensors
  - Active, passive and chipless sensors

Workshop Topics

- **Workshop on MoCap**
  - Tracking applications
  - Localization
  - Wireless Motion Capture Systems
  - ……. + many more…
- **Workshop on Energy Harvesting**
  - New and novel harvesting techniques
  - Hybrid harvesting
  - Harvesting applications
  - ……. + many more…
- **Workshop on AI for RFID**
  - AI application in the RFID ecosystem
  - ……. + many more…
- **Workshop on Digital Spectrum Twinning**
  - Spectrum Twinning / Sharing
  - Location based applications
  - Spectrum valuation
  - Innovative twinning applications
  - ……. + many more…

Important Dates

- **Paper Submission Deadline**: **February 7, 2022**
- **Notification of Acceptance:** **April 4th, 2022**
- **Final Paper Submission:** **April 25th, 2022**

Submission options

- **Short papers (2 page) / Full Papers (6 page) / Posters**
- **Selected papers will be invited to be published in Journal of Radio Frequency Identification (JRFID)**

Authors of Accepted Papers receive peer reviews by top RFID technology leaders, get published on IEEE Xplore, and are enrolled in the IEEE RFID 2022 Best Paper Competition

IEEE RFID 2022 Committee

Executive Chair: Stewart Thomas (*Bucknell University*)
TPC Co-Chairs: Ultan McCarthy (*Waterford Institute of Technology, Ireland*) and Mohammad Alhassoun (*KFUPM, Saudi Arabia*)