Call for Paper and Poster Submission

The 17th IEEE International Conference on RFID (IEEE RFID 2023) is seeking high-quality submissions for papers and posters (see submission options below) in all areas of technical RFID research and application. IEEE RFID 2023 offers a unique opportunity to share, discuss, and witness research results in all areas of RFID technologies and their applications. Come join us in Seattle, WA, June 13 – 15 2023!

**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
  - 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
  - AR/VR in RFID
- **Sensors**
  - Environmental sensing
  - RFID Sensors
  - Active, passive and chipless sensors

**Workshop Topics**

- **Motion Capture (MoCap) & Localization**
  - Tracking applications
  - Localization
  - Wireless Motion Capture Systems
- **Energy Harvesting**
  - New and novel harvesting techniques
  - Hybrid harvesting
  - Harvesting applications
- **Artificial Intelligence (AI) for RFID**
  - AI application in the RFID ecosystem
- **Digital Twins**
  - Tag number resolution
  - Digital Spectrum twinning
  - Digital twinning in Logistics, Smart cities, parallel Intelligence
- **Ocean Internet of Things (IoT)**
  - Underwater backscatter communications
  - Underwater camera / imaging
- **Flexible and Printable Technologies for Electronics and Electromagnetics**

**Important Dates**

- **Paper Submission Deadline:** March 27th, 2023
- **Poster Submission Deadline:** May 5th, 2023
- **Notification of Acceptance:** May 10th, 2023
- **Final Paper Submission:** May 22nd, 2023

**Submission options**

- Full papers (6 page)
- Posters (1 page abstract)
- 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 2023 Best Paper Competition. Don’t miss out!

**IEEE RFID 2023 Committee**

- **Executive Chair:** Josh Ensworth, Impinj, USA
- **TPC Co-Chairs:** Aline Eid, University of Michigan Ann Arbor, USA
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