

# IEEE RFID 2023



2023.ieee-rfid.org



SEATTLE, WA | 13-15 JUNE 2023

## Call for Paper and Poster Submission

The **17<sup>th</sup> 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**

Candidate yourself to become a workshop organizer!

### Important Dates

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