



Boston, Massachusetts, MIT Media Lab
4-6 June 2024, 2024.ieee-rfid.org



Call for Paper and Poster Submission

The **18th IEEE International Conference** on RFID (IEEE RFID 2024) is seeking high-quality submissions for papers (see submission options below) in all areas of technical RFID research and application. IEEE RFID 2024 offers a unique opportunity to share, discuss, and witness research results in all areas of RFID technologies and their applications. Come join us in Boston, MA, June 2024!

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**
 - Standards-Compliant Backscatter
 - Cybersecurity and cryptography
 - Privacy-enhancing and anti-counterfeiting techniques
 - Anti-collision techniques
 - High-speed data capture
- **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
 - WiFi- & BLE-assisted RFID
 - Novel materials in RFID
 - AR/VR in RFID
- **Sensors**
 - Environmental sensing
 - RFID Sensors
 - Active, passive and chipless sensors
- **Motion Capture (MoCap)**
 - Tracking applications
 - Localization
 - Wireless Motion Capture Systems

Workshop Topics

Ideas for a workshop? Please contact the Workshop Chair: workshop@ieee-rfid.org

Potential topics include:

- **Energy Harvesting**
 - New and novel harvesting techniques
- **Artificial Intelligence (AI) for RFID**
 - AI applications in the RFID ecosystem
- **Digital Twins**
 - Tag number resolution
 - Digital twins
- **Ocean Internet of Things (IoT)**
 - Underwater backscatter communications and imaging
- **Biomedical Systems**
 - Backscatter communications for biosignal telemetry
- **Smart Materials**
 - Additive manufacturing in RFID
- **Gen. 3 RFID**
 - Protocols and innovation

Important Dates

- Paper Submission Deadline: **February 26th, 2024**
 - Workshop Proposal Deadline: **March 11th, 2024**
 - Notification of Acceptance: **April 22nd, 2024**
 - Poster Submission: **April 29th, 2024**
 - Final Paper Submission: **May 13th, 2024**
- All deadlines are at 11:59pm UTC-12**

Submission options

- Papers: Full (6 pages)
 - 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 2024 Best Paper Competition ... Don't miss out !

IEEE RFID 2024 Committee

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