The 20th International Conference on RFID

IEEE RFID 2026

Santa Fe, NM
16-18 June, 2026
2026.ieee-rfid.org

Call for Paper and Poster Submission

The **20th IEEE International Conference** on RFID (IEEE RFID 2026) invites high-quality paper submissions on all aspects of RFID research and applications. Join us in Santa Fe, NM, June 16-18, 2026, to share and explore the latest in RFID technology at this special 20th-anniversary event.

General Topic Tracks

Antennas & Propagations
- RFID antenna theory, design, and characterization
- MIMO, UWB, and hybrid antenna systems for RFID
- Near-field communications (NFC) and short-range RFID
- Channel modeling and RF propagation measurements

Circuits, Tags & Hardware Design
- Circuit designs for RFID
- Reader architectures
- Multi-reader coordination and interference reduction
- Chipless RFID technology
- Programmable/reconfigurable tags
- RFID inlay specs and performance

Sensing, Localization & Motion Capture
- Motion capture and gesture recognition using RFID
- RFID-based localization, tracking and RF tomography
- Multi-modal sensing using RFID
- Active and passive RFID sensors

Applications & Software
- RFID software, middleware and networking
- RFID infrastructures for IoT
- RFID for high-consequence applications
- RFID applications in wearables, agriculture, retail, logistics, fashion
- RFID in Industry 5.0 and Smart Cities
- Inlays procurement

Next-Gen RFID & ID+
- Green technologies for RFID
- Advanced coding and modulation
- WiFi- & BLE-assisted RFID
- Novel materials in RFID
- Novel RFID measurement techniques
- Millimeter-wave, THz & optical RFID
- AR/VR in RFID

Protocols & Security
- Cybersecurity and cryptography
- Privacy-enhancing and anti-counterfeiting techniques
- Anti-collision techniques
- High-speed data capture
- Physical layer security
- Proof of interaction

Workshop Topics

Ideas? Please submit your Proposal at
https://forms.gle/NUiqyHTY8KrBEVFx8

Potential Topics:
- RFID for high-consequence applications
- GS1 round table Q&A
- Energy harvesting
- Artificial intelligence for RFID
- Digital twins and cyber-physical radio systems
- New manufacturing techniques and prototyping
- Smart materials
- Flexible electronics
- Trends in RFID tag design
- Industrial session
- RFID 20th Anniversary Invited Talks

For questions,please contact workshop@ieee-rfid.org

Submission Options

Peer-Reviewed Papers
- Track A Conference proceedings (4-6 pages)
- Track B IEEE Journal on RFID (no page limit)

Posters (1 page abstract)

Selected Track A papers will be invited to publish an extended version in Journal of Radio Frequency Identification (JRFID)

Important dates

- Paper Submission Deadline: **FEB 9 2026**
- Notification of Paper Acceptance: **APR 20 2026**
- Poster Abstract Submission Deadline: **APR 27 2026**
- Notification of Poster Acceptance: **MAY 11 2026**
- Final Paper Submission: **MAY 12 2026**

- Special Sessions Proposal Deadline: **NOV 10 2025**
- Workshops Proposal Deadline: **DEC 8 2025**

All deadlines are at 11:59pm UTC-12

Authors of Accepted Papers receive peer reviews by top RFID technology leaders, get published on IEEE Xplore, and are enrolled in the IEEE RFID 2026 Best Paper Competition … Don't miss out !

IEEE RFID 2026 Committee

Executive Chair: Brendon Parsons, Los Alamos National Laboratory (US)
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