

The 20th International Conference on RFID

IEEE RFID 2026



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

Call for Papers and Posters 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.

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

Applications & Software

- RFID software, middleware, networking, 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
- 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

Special Sessions – Submit your proposal at

<https://forms.gle/RCKAWX6vd7yR8L7b6>

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| • Special Sessions Proposal Deadline: | NOV 10 2025 |
| • Workshops Proposal Deadline: | DEC 8 2025 |
| • Paper Submission Deadline: | JAN 15 2026 |
| • Notification of Paper Acceptance: | MAR 30 2026 |
| • Poster Abstract Submission Deadline: | APR 6 2026 |
| • Notification of Poster Acceptance: | APR 20 2026 |
| • Final Paper Submission: | MAY 5 2026 |

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

General Chair: **Alessandro Cattaneo**, LANL(US), General co-Chair: **Riccardo Colella**, Univ. of Salento (IT)

Executive Chair: **Brendon Parsons**, LANL(US), Executive co-Chair: **Kilkee Flynn**, LANL (US)

TPC Co-Chairs: **Fatima Villa-Gonzalez**, MIT (US), **Michael Crisp**, University of Cambridge (UK), TPChair@ieee-rfid.org

Special Session co-Chairs: **Andrea Motroni**, Univ. of Pisa (IT), **Nicholas Barbot**, LCIS, Grenoble INP (FR), **Arupjyoti (Arup) Bhuyan**, INL (US)

Submission Options

Dual Track Paper Submission

- **Option A:** Conference paper (4-6 pages) submitted through the conference website
- **Option B:** Journal paper (no page limit) submitted through the IEEE Author Portal

Special Issue in IEEE Journal of RFID

An extended version of the conference papers (Option A) will be invited to a special issue of the IEEE JRFID (IF 2024: 3.4; CiteScore 2024: 6.1).

Poster Submission: 1-page abstract

