

International Symposium on RFID, Electromagnetics, and Electronics for IoT Devices – The Hardware Side of IoT

GENERAL CHAIR:



**LUCA
CATARINUCCI**

University of Salento, Italy

CALL FOR PAPERS

Originally rooted in RFID research, the International Symposium on RFID, Electromagnetics, and Electronics for IoT Devices has progressively expanded to embrace a broader spectrum of electromagnetic and electronic technologies. Held within the 11th International Conference on Smart and Sustainable Technologies (SpliTech 2026), taking place in Split and Bol, Croatia, from June 23 to 26, 2026, the symposium provides a focused forum for hardware-oriented research spanning RFID, antennas, circuits, and electromagnetic systems, addressing both established and emerging applications.

The symposium is co-sponsored by the IEEE Council on RFID and the IEEE Communications Society, and is dedicated to the physical and technological building blocks that enable identification, sensing, and wireless electronic systems.

The aim of the symposium is to highlight recent advances, innovative concepts, and experimental developments in RFID, electromagnetics, and electronics, with particular emphasis on hardware design, implementation, and validation. Contributions covering both theoretical and applied aspects are welcome, provided that a clear connection to hardware-level challenges and solutions is addressed.

A special focus is placed on circuit and hardware design aspects, including RF and microwave circuits, integrated solutions, co-design methodologies, and optimization strategies that are critical for system performance, reliability, and scalability.

The symposium offers a dedicated environment for researchers, engineers, and practitioners to exchange ideas, discuss open challenges, and foster collaboration across the RFID, electromagnetics, and electronics communities.

Publication

Accepted and presented papers will be included in the conference proceedings and submitted to IEEE Xplore, as well as other Abstracting and Indexing (A&I) databases. Depending on the symposium schedule, accepted contributions may be presented either as oral presentations or posters.

Selected papers of outstanding quality will be invited to submit an extended version for possible publication in the IEEE Journal on RFID, indexed in SCOPUS and Web of Science.

Author are warmly invited to submit original contributions, either complete or in progress, related to the following topics (but not limited to):

- Tag and Tag Antenna Design
- Reader and Reader Antenna Design
- Smart devices employing Electromagnetic Technologies including LoRa, BLE, UWB
- UWB RFID Systems
- IoT Electronics
- NFC Technology and Systems
- RFID Performance and Evaluation
- Eco-friendly RFID Solutions
- RF Frontend Design for IoT Devices
- AI Applications in RFID
- Advanced RFID Tags and Systems
- Communication Protocols for RFID
- RFID Data Management and Applications
- Supply Chain Solutions using RFID
- 3D-Printing and Additive Manufacturing in RFID/IoT
- RFID Applications in Healthcare
- Enhanced Capability RFID Tags
- RFID for Sensing Applications
- Industrial IoT Solutions
- Chipless RFID Systems
- RFID for Smart Living and Cities
- Prototyping RFID Systems
- Case Studies and Applications in RFID/IoT
- RFID Integrated with Physical User Interfaces
- Circuit Design for RFID Systems
- Sensor Networks Enhanced by RFID
- Next-Generation RFID and IoT Technologies
- Circuit Design for Energy Harvesting in RFID Systems
- Low Power Circuit Design for IoT Devices
- Signal Integrity and Noise Management in RFID/IoT Circuits
- RFID Reader Circuits and Signal Processing
- Advanced Modulation Techniques for IoT Communications
- Antenna Matching and Tuning Circuits for RFID/IoT
- Security Features in RFID/IoT Circuit Design
- Printed Electronics and Flexible Circuits for RFID/IoT
- Integration of Sensors with RFID/IoT Circuits
- IoT Node Architecture and System-on-Chip (SoC) Solutions
- Wireless Power Transfer and Inductive Coupling in IoT Devices
- RFID and IoT Device Testing and Reliability Analysis

FULL PAPER SUBMISSION:

February 20, 2026

SUBMIT PAPER HERE

Notification of acceptance:

April 17, 2026

Camera ready paper:

May 1, 2026

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