

# IEEE RFID 2019

PHOENIX CONVENTION CENTER, PHOENIX, AZ | APRIL 2 - 4



2019.IEEE-RFID.ORG



## Call for Paper and Poster Submissions

The 13<sup>th</sup> IEEE International Conference on RFID (IEEE RFID 2019) is seeking high-quality submissions for papers (from 3 to max 8 pages) in all areas of technical RFID research. IEEE RFID 2019 is an opportunity to share, discuss, and witness research results in all areas of RFID technologies and their applications.

### Topic Areas

- **Antennas & Propagation:**
  - antenna theory and designs
  - channel measurements and modeling
  - MIMO, UWB and hybrid RFID
- **Applications & Software:**
  - RFID software, middleware and networking
  - RFID in smart cities
  - scientific studies on operational experience of RFID applications
  - unconventional RF “identification”

*Selection will be primarily based on the ability of authors to clarify how they are advancing the state of the art or demonstrating novelty*
- **Circuits, Devices, & Interrogators:**
  - circuit designs
  - reader architecture
  - non-silicon and chipless RFID
  - multi-reader coordination and interference reduction
- **Next-Gen Physical Layer:**
  - RFID-enabled devices
  - IoT/RFID system architectures
  - MIMO, hybrid and UWB RFID systems
  - networking and communication concepts
- **Energy Harvesting & Wireless Power:**
  - ambient RF harvesting
  - efficiency improvements
  - power-optimized waveforms
  - kinetic, thermal, optical, and other power-harvesting methods
- **Localization:**
  - performance bounds
  - novel system approaches
  - technologies, and algorithms in RFID tag and reader localization
  - RF tomography and environmental sensing
- **Protocols & Security:**
  - coding, anti-collision, cryptography and privacy-enhancing techniques,
  - medium/multiple access schemes
- **Sensors:**
  - integration of sensors with RFID tags,
  - active, passive, or chipless RFID sensors,
  - RFID sensor modeling and analysis
  - new sensors for RFID

### Important Dates

**Paper Submission Deadline:** Nov. 30<sup>th</sup>, 2018

Notification of acceptance: Jan. 23<sup>rd</sup>, 2019

Final Paper Submission: Feb. 12<sup>th</sup>, 2019

[2019.ieee-rfid.org/submissions/](http://2019.ieee-rfid.org/submissions/)



[edas.info/N25459](http://edas.info/N25459)

**Authors of Accepted Papers** receive peer reviews by top RFID technology leaders, get published on IEEE Xplore, and are enrolled in IEEE RFID 2019 Best Paper Competition.

#### IEEE RFID 2019 Committee

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