

# EURASIP Journal on Embedded Systems

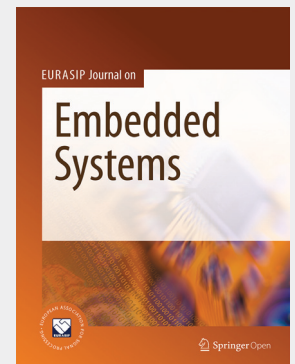
## Special Issue on Advances in RFID and near field communications in embedded systems

This special issue of the EURASIP Journal of Embedded Systems is intended to present recent developments in near field communications and in particular RFID technology. After maturing for a decade or years RFID technologies have found numerous applications in as diverse areas as e-commerce, logistics, social networking, area body networks, automation and many more. While many techniques rely on passive tags, others use energy harvesting and alternative energy sources to make them available even if not enough energy is present. With every improvement in data rate, storage capacity, HW complexity, energy consumption, and operating range, the potential range of applications increases even further. Due to its low requirements and small size, RFID technology is expected to be an “invisible” technology that will influence our life substantially.

Papers suitable for publication in this special issue must describe high-quality, original and unpublished research and should strictly follow the author guidelines available on the journal website at [jes.urasipjournals.com](http://jes.urasipjournals.com).

### Potential topics include, but are not limited to:

- Modelling, Simulation and Performance in RFID
- Ambient intelligence based on RFID labelling
- Standards and communication protocols
- Implementation and Software issues
- Modulation schemes for RFID
- Multi-frequency and broadband tags
- Near field communications
- Smart and programmable tags
- Sensor networks with RFID
- Security issues
- Protocols
- Manufacturing processes for RFID tags
- Middleware design
- Applications and industrial experience
- Electromagnetic field measurements
- Antenna Design
- Inductive coupling for DC supply
- Deployment techniques
- Large scale Internet of Things and data analytics
- Low power design, energy harvesting and energy management
- In situ processing and embedded software
- Resource-constrained networks



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# Submission instructions

Before submission, authors should carefully read over the Instructions for Authors, which are located at [jes.urasipjournals.com/authors/instructions](http://jes.urasipjournals.com/authors/instructions). Prospective authors should submit an electronic copy of their complete manuscript through the SpringerOpen submission system at [editorialmanager.com/jesy](http://editorialmanager.com/jesy) according to the submission schedule. They should choose the correct Special Issue in the “sections” box upon submitting. In addition, they should specify the manuscript as a submission to the “Special Issue on Advances in RFID and near field communications in embedded systems” in the cover letter. All submissions will undergo initial screening by the guest editors for fit to the theme of the Special Issue and prospects for successfully negotiating the review process.

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## Submission Schedule

Manuscripts due:

December 31, 2015