Special Session
Radio-Frequency IDentification

Co-located with IEEE ATSIP'2016

21-23 March 2016, Monastir-Tunisia

Scope:

For many of us, using a key to start a car, a card to access a building or room and validating a bus or underground ticket have become part of our daily routine. Without always realising it, we use automatic data capture technology that relies on radio-frequency electromagnetic fields. This technology is known as Radio-Frequency IDentification or RFID. RFID refers to small electronic devices that consist of a small chip and an antenna. The chip typically is capable of carrying 2,000 bytes of data or less. The RFID device serves the same purpose as a bar code or a magnetic strip on the back of a credit card or ATM card; it provides a unique identifier for that object. And, just as a bar code or magnetic strip must be scanned to get the information, the RFID device must be scanned to retrieve the identifying information.

RFID tags come in a wide variety of shapes and sizes; they may be encased in a variety of materials: Credit-card shaped for use in access applications, the anti-theft hard plastic tags attached to merchandise in stores are also RFID tags, heavy-duty 120 by 100 by 50 millimetre rectangular transponders are used to track shipping containers, or heavy machinery, trucks, and railroad cars.

The session "**Radio-Frequency IDentification**" will be a unique opportunity to exchange the results of research, new developed techniques in this innovative field with promising prospects. The session welcomes papers on the following (but not limited to) research topics:

- Antennas for RFID and Sensing Systems : Tw Signal processing
- Sensor Integration to Passive RFID Tags
- Electromagnetic Modeling of RFID and Sensing Systems
- RFID Signals' Measurements (RFID tag and sensor performance characterization using wireless methods)
- Wireless Implantable Biomedical Sensors : Signals
- Reliability of Wireless Devices in the Internet of Things (IoT) : Signals

Special Session Chairs:

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Technical Program Committee Members:

Achraf MAKHLOUFI, Habib HAMAM, Hassene SEDDIK, Rhouma rhouma…

Important Dates:

Paper submission deadline:	**December 15th, 2015**
Acceptance Notification:	**January 15th, 2016**
Camera Ready:	**February 1st, 2016**
Author's Registration Deadline:	**February 15th, 2016**

For any query related to the special session, please contact

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