

September, 22-26 2009, Palma de Mallorca, Spain

## Call for Papers / Invitation to Special Session SS02

### FROM RFID TO THE INTERNET OF THINGS

Special Session co-Chairs

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Even though the unambiguous identification of entities taking part in value creation processes has a long history, the most radical enrichment of possibilities came, so far, through the introduction of machine-readable identifiers (*automatic identification-AutoID*) which can be processed with little, if any, human intervention. The introduction of AutoID made it profitable to keep track of individual units within complex processes, owing to its low error rate, low information lag and the spectrum of advanced functionalities based on properties of automatic identification and data processing.

When operations need automatic identification, *Radio Frequency Identification* (RFID) is a technology with acknowledged great potential, feasible and competitive in many application areas.

According to the Communication of the *European Commission* (Brussels, 29.9.2008) on future networks and the Internet 'the *market value for RFID* is expected to grow 5 times worldwide by 2018 with the promise of delivering innovative applications'.

Furthermore, the Commission points out that 'an "*Internet of things*" will emerge whereby the web will become the medium for machines, vehicles, appliances, sensors and many other devices to interact. This will provide the basis for many new applications, such as energy monitoring, transport safety systems or building security'.

However, as new and still costly technologies, RFID applications still have not penetrated the industry to a desirable degree, especially in the case of small-scale users. Therefore, supporting research and development for a faster spreading of RFID technology, as well as infrastructures based upon it, is of foremost economic interest.

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## **SUBMISSION OF PAPERS**

Papers are to be submitted electronically. For further details, please consult the conference web pages.

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## **AUTHOR'S SCHEDULE**

Deadline for submission of papers:	May 10, 2009
Notification of papers acceptance:	June 8, 2009
Final manuscripts due:	July 5, 2009

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## **SESSION ORGANIZERS**

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