Supported by the **VDE / The Information Technology Society (ITG),** Frankfurt, Germany.
The VDE is the German Association for Electrical, Electronic & Information Technologies.
http://www.VDE.com

Call for Papers

7th European Workshop on Smart Objects:
Systems, Technologies and Applications

RFID-SysTech 2011

May 17th to May 18th, 2011

Dresden, Germany

www.rfid-systech.eu

Over the last years, the European Workshop on RFID Systems and Technologies has become a central platform in Europe for personal networking and information exchange in the field of RFID technologies and applications.

While the networking of objects for the purpose of data collection and distributed control is no longer a recent phenomenon, the sheer number of things that are networked to information systems has dramatically risen. Today, the Internet is increasingly extended to all kinds of physical assets: product components, finished products, logistic units, equipment, documents, vehicles, buildings and electronic meters as well as embedded systems of all kind. Mature industries, like the energy or automotive are in euphoric mood and accordingly, we see enormous research and technological development activity: For instance, Auto-ID technologies such as RFID are being increasingly combined with data storage capacity and sensors or other communication devices that provide real- time data such as position, temperature, pressure, vibrations etc. These special-purpose computer systems are able to sense information from the real world or perform actions upon it and are also able to communicate with other networked computer systems.

The resultant integration into existing business processes and IT infrastructures under the side condition of enabling an interaction between intelligent objects and business applications within and between enterprises in a generic, flexible and scalable manner is a considerable challenge. At the same time, the economic potential is promising and will also help enterprises to address completely new challenges such as sustainability: Interacting with smart devices will ensure that enterprises get correct, auditable trails for sustainability metrics. Such systems can help businesses track carbon and other environmental aspects. However, business-to-business integration solutions such as the EPCglobal network or other bilateral approaches have to be developed further in order to meet the supporting requirements.

The specific profile of this workshop is to examine both the technology and business aspects:

- the latest achievements in technologies and systems for smart objects
- their integration into information systems and business processes
- and their business value.

Scientists and practitioners from the fields of electrical engineering, computer science and information systems will find an excellent opportunity to participate in interdisciplinary discussions, set up new networks and exchange information on a professional level. In addition to the workshop, an industrial exhibition presenting the latest innovations will be held.

Don’t miss the chance to attend this workshop!

VDE ITG AIM

Fraunhofer IPMS oe-a Organic Electronics Association TECHNISCHE UNIVERSITÄT DRESDEN

European Workshop on Smart Objects: Systems, Technologies and Applications

Key Topics

Technologies and Systems:

- Active / Passive RFID
- RF-Transceiver for RFID and Smart Technologies
- Sensing and Actuating
- Smart Objects, Smart Items
- Transponder Technologies / Integrated Circuit Technologies
- Antenna Design and Air Interface
- NFC Technologies
- Printed Electronic and new Materials
- Processes for Tag Manufacturing
- Sensor Networks
- Positioning and Localisation
- Protocols and Standardization
- Middleware and Databases
- System Modelling

Applications and Business:

- Logistics and Supply Chain Management
- Maintenance
- Tracking and Tracing
- Manufacturing Control
- Industrial Process Automation
- Health Care, Pharmaceutical
- RFID beyond the Point of Sales
- Business Value and Performance Measurement
- New Business Models
- Security and Privacy
- Sociological Aspects and Technology Acceptance

Guideline for Preparation and Submission of Contributions:

All submissions (full papers) must follow the guidelines given under: http://rfid-systech.eu/html/call_for_papers.html and be at least 6 pages in length.

The workshop language is English and the proceedings will be electronically published on a CD with ISBN-Number.

Important dates:

Full paper submissions:	**March 13th 2011**
Notification of Acceptance sent:	**April 4th 2011**
Publication-ready versions uploaded:	**April 18th 2011**

Responsibilities:

Uwe Wissendheit, Jens Strüker (Program Chair)
Frank Deicke (Local Chair)
Michael E. Wernle (Exhibition Chair)
Thomas Hollstein, Uwe Wissendheit, Jens Strüker (General Chair)

Conference Fee:

250,00 EUR (225,- Speakers; 150,- Students)

Cooperation:

The workshop is organized in cooperation with the Organic Electronics Association (oe-a/VDMA) http://www.oe-a.org

the Association for Automatic Identification and Mobile Data Capture (AIM) http://www.aim-d.de

the Fraunhofer Institute for Photonic Microsystems http://www.ipms.fraunhofer.de

and the Technical University of Dresden http://www.tu-dresden.de

Further Information at:

http://www.rfid-systech.eu/

We look forward to meeting you at RFID SysTech in Dresden, Germany in May 2011!

With kind regards,
The RFID SysTech Team

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