

After successful accomplishment of two workshops in 2005 and 2006 and very positive feedback from Industry and Academia, the

PROGRAM

RFID SysTech 2007

3rd European Workshop on RFID Systems and Technologies

- **12.06. 13.06.2007**
- Duisburg Fraunhofer IMS

VDE/ITG Focus Project RFID

3rd Workshop on RFID Systems and Technologies

will be offered in 2007 from 12.06.2007 to 13.06.2007.

The Workshop will offer an enhanced program with invited and reviewed presentations from industry and universities. The specific profile of this workshop is to present the latest achievements in RFID technologies and systems and to setup cooperation partnerships for leadership in RFID technologies.

Location

Fraunhofer Institute for Microelectronic Circuits and Systems (IMS)

Finkenstr. 61 47057 Duisburg Phone: +49-203-3783-0 http://www.ims.fraunhofer.de

Registration

By Fax: VDE-Concerns Service

Fax: +49-(0)69 96 31 52 13

By E-Mail: vde-conferences@vde.com

Online: www.rfid-systech.org/

Opening of registration: 23.05.2007

Conference Fee

The conference fee: 195,- EUR

Industrial exhibition

An industrial exhibition is presented during the workshop breaks.

Further Information

Permanently updated information on paper formats, the workshop program, registration fee and location you will be able to find under: www.rfid-systech.org/

For further common information please feel free to contact:

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Thomas Hollstein (organisation@rfid-systech.org)

Program Committee

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Klaus Hecker (oe-a/VDMA Frankfurt)

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Stephan Kolnsberg (Fraunhofer-IMS Duisburg)

Harmut Pohl (FH Bonn)

Erwin Schmidt (Pepperl + Fuchs, Mannheim)

Ulrich Waldmann (Fraunhofer-SIT, Darmstadt)

Michael E. Wernle (Meshed Systems, Munich)

Uwe Wissenheit (University Erlangen)

Cooperation

Organic Electronics Association (VDMA) www.oe-a.org





Program

Tuesday, 12.06.2007 Registration 09:00 10:00 Workshop opening (T. Hollstein, S. Kolnsberg, U. Wissendheit) 10:10 Introduction to Fraunhofer IMS (A. Grabmaier) 10:30 Uniqueness & Interoperability for AutoID supported Systems (Invited) (H. Oehlmann, EUrodatacouncil, Naumburg, Germany) 11:15 Coffee Break / Industrial exhibition Session 1: RFID-Systems and System Design 11:45 Planning and Analysis of UHF RFID Systems for Consumer Goods Logistics Using Ray Tracing **Predictions** (P. Bosselmann, RWTH Aachen, Germany) Mobile Multi-Purpose RFID System 12:10 (R. Falk, Siemens AG, Munich, Germany) 12:35 NFC is the Double-Click in the Internet of the (F. Graeber, NXP Semiconductors GmbH, Hamburg, Germany) 13:00 Lunch / Industrial exhibition 14:15 Design Methodology of a Voltage Multiplier for Full Passive Long Range UHF RFID (A. Vaz, CEIT, San Sebastian, Spain) 14:40 Design and Analysis of a Complete RFID System in the UHF Band focused on the Backscattering Communication and Reader Architecture (I. Mayordomo, TECNUN, San Sebastian, Spain) 15:05 Modelling of HF and UHF RFID Technology for System and Circuit Level Simulations (O. Soffke, MES, TU Darmstadt, Germany) 15:30 Coffee Break / Industrial exhibition

	Session 2: RFID-Sensors and Positioning
16:00	Developments in sensorised smart RFID Tags: Monitoring and Traceability of sensitive Products (J.G. Sanchez, University of Castilla La-Mancha, Spain)
16:25	Optimal Impedance Matching in Passive UHF RFID Sensors (R. Morales-Ramos, Fraunhofer IIS, Erlangen, Germany)
16:50	Position Localization for Object Management with the Aid of Passive RFID Tags (F. Meyer, Fraunhofer IMS, Duisburg, Germany)
17:15	End of the first Day's Sessions
17:30	Excursions on Fraunhofer IMS
20:00	Social Event

17.30	EXCUISIONS ON FIAUMHOIEI INIS	
20:00	Social Event	
Wednesday, 13.06.2007		
09:00	Economic Considerations for RFID Systems: from Application Ideas to running practical Applications (Invited)	
	(A. Pflaum, Fraunhofer IIS, Fuerth, Germany)	
	Parallel session 3A: Transponders and	
	Materials	
09:45	Predicting the Influence of permittive Materials on passive inductive coupled RFID Transponders (S. Cichos, Germany)	
10:10	RFID in metallic Environment (J. Bernhard, Fraunhofer IIS, Erlangen, Germany)	
10:35	Coffee Break / Industrial exhibition	
11:15	New Properties of RFID Transponders on Metal with Microstrip Antennas (O. Meriläinen, Jyskä, Finland)	
11:40	Printed Electronics – From Vision to first Products (J. Ficker, PolyIC, Fuerth, Germany)	
12:30	Lunch / Industrial exhibition	

	Parallel session 3B: Security and Privacy	
09:45	Data Security in RFID on Item Level (M. Auerbach, RWTH Aachen, Germany)	
10:10	Data-on-Tag: An Approach to Privacy friendly Usage of RFID Technologies (K. Werner, SAP Research CEC Dresden, Germany)	
10:35	Coffee Break / Industrial exhibition	
11:15	Implementing high-level Couterfeit Security using RFID and PKI (A. Wallstabe, University of Applied Sciences Bonn-Rhein-Sieg, St. Augustin, Germany)	
11:40	Security Challenges for RFID Key Applications (U. Waldmann, Fraunhofer SIT, Darmstadt, Germany)	
12:05	RFID Usage in Retail beyond the Point of Sale – Temporary Deactivation as a Solution for Challenges in Privacy and Security (C. Wonnemann, IIG, Freiburg, Germany)	
12:30	Lunch / Industrial exhibition	
	Session 4: Logistic and Maintenance	
13:45	Logistics and Supply Chain Management (C. Meiß, Fraunhofer IML, Dortmund, Germany)	
14:10	"Smart Logistics" - Usage of innovative Information and Communication Technologies in Production Logistics (R. Keil, TU Dresden, Germany)	
14:35	Tracking and Tracing in Production Scenarios with passive RFID Transponders (C. Gorldt, BIBA, University of Bremen, Germany)	
15:00	Coffee Break / Industrial exhibition	
15:30	SMMART - System for Mobile Maintenance Accessible in Real Time (J. Kusper, Tricon, Linz, Austria)	
15:55	RFID in Industrial Maintenance und Service (R. Mlynek, conSeneca, Haan, Germany)	
16:20	Mobile Maintenance Managment (S. Hinckel, GAB, Schwetzingen, Germany)	
16:45	Discussion	
17:00	End of the Workshop	

WORKSHOP REGISTRATION FORM

RFID SysTech'07

3rd European Workshop on RFID Systems and Technologies June 12th to June 13th, 2007, Duisburg – Fraunhofer IMS

Please fill out this form in capital letters and send it to:



VDE-Concerns Service Stresemannalle 15 60596 Frankfurt/Main

by Fax: +49-(0)69 96 31 52 13

by E-Mail: registration@rfid-systech.org

online: http://rfid-systech.org/

Registration Fee: 195,- EUR

Date

Mr. Mrs. Title:	
First name:	Family name:
Company:	Department:
Street, Nr.:	Country:
ZIP Code:	City:
Telephone:	Fax:
E-Mail:	

Signature

