

Last year's European Workshop on RFID Systems and Technologies has been a great success, becoming a central European platform for personal networking and information exchange in the field of RFID technologies and applications. RFID SysTech '08 offers an ambitious programme, featuring invited and reviewed presentations from science and industry.

Workshop SCOPE:

The specific profile of this workshop is to present the latest achievements in RFID technologies and systems. Since a growing number of RFID solutions with a high degree of maturity are now becoming available, the challenges facing us today increasingly concern applicability and business value: How do businesses and industries use RFID for supply chain management, logistics, asset management and identity management etc.? Does RFID present specific challenges for its adoption, adaptation, implementation and acceptance? The workshop takes these issues into account by expanding the programme into new business models and RFID-related performance measurement. The workshop provides an excellent opportunity to meet experts and set up new networks and information exchange on a professional level. In addition to the workshop, an industrial exhibition presenting the latest products will be held. Don't miss the chance to attend this workshop!

Workshop Venue

University of Freiburg
Platz der alten Synagoge
("KG I" building at the intersection of "Werderring" and "Rempartstrasse")
79098 Freiburg, Germany

Freiburg is the capital of the Black Forest and the sunniest city in southern Germany. Besides **RFID SysTech 2008**, it has much more to offer to you: because of its proximity to France and Switzerland, its high number of international visitors and its rich cultural offerings, Freiburg has a very special air and charm. Enjoy this unique region!

Industrial exhibition

An industrial exhibition is presented during the workshop breaks.

Conference Fee

The conference fee: 210,- EUR
(10% discount for speakers)

Registration

By Fax: VDE-Conference Service
Fax: +49-(0)69 96 31 52 13

By E-Mail: vde-conferences@vde.com
Online: www.rfid-systech.org/

Opening of registration: 13.05.2008

Further Information

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

For further general information please feel free to contact: info@rfid-systech.org

Program Committee

- Andres Garcia Higuera (UCLM, Ciudad Real)
- Manfred Glesner (TU Darmstadt)
- Klaus Hecker (oe-a/VDMA Frankfurt)
- Thomas Hollstein (TU Darmstadt)
- Stephan Kolnsberg (Fraunhofer-IMS Duisburg)
- Hartmut Pohl (FH Bonn)
- Erwin Schmidt (Pepperl + Fuchs, Mannheim)
- Jens Strueker (Uni Freiburg)
- Ulrich Waldmann (Fraunhofer-SIT, Darmstadt)
- Michael E. Wernle (Meshed Systems, Munich)
- Uwe Wissenheit (University Erlangen)

Responsibilities

Organisational Chair: Thomas Hollstein
E-Mail: organisation@rfid-systech.org

Program Chair: Uwe Wissendheit, Jens Strücker
E-Mail: submissions@rfid-systech.org

Industrial Chair: Michael E. Wernle
E-Mail: exhibition@rfid-systech.org

Cooperation

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

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



PROGRAM

RFID SysTech 2008

4th European Workshop on RFID Systems and Technologies

- 10.06. – 11.06.2008
- Freiburg / Germany – Institute of Computer Science and Social Studies

VDE/ITG Focus Project RFID



ALBERT-LUDWIGS-
UNIVERSITÄT FREIBURG



Program

Tuesday, 10.06.2008

- 08:00 Registration** (Prometheushalle, Kollegiengebäude I)
- 09:15 Workshop Opening**
Room: Assembly Hall (Aula), Kollegiengebäude I
(T. Hollstein, U. Wissendheit, J. Strüker)
- 09:25 Greetings / Introduction to IIG**
(J. Rühle, Vice Rector of the University of Freiburg)
- 09:45 RFID and other AutoID Technologies in Concert - a Global Perspective**
(W.R. Hansen, AIM-Germany, Germany – Inv. Speaker)
- 10:45 Coffee Break / Industrial exhibition**
- 11:20 Industrial Presentations**
Chair: M. Wernle Room: Aula, Kollegiengebäude
- Session 1: RFID - Applications**
Chair: U. Wissendheit Room: Aula, Kollegiengebäude I
- 11:55 RFID System for Airport Control on a MAS-DUO Agent Platform**
(J. G.-Escribano Sánchez-P., University of Castilla La Mancha, Spain)
- 12:20 inHaus2 – Intelligent Construction Site Logistics**
(F. Meyer, Fraunhofer IMS, Duisburg, Germany)
- 12:45 Lunch / Industrial exhibition**
- Session 2: RFID - Systems**
Chair: A.Garcia Higuera Room: Aula, Kollegiengebäude I
- 14:00 A Concept for the Analysis of Cross Sensitivities in Modern RFID Systems**
(J. Wang, Fraunhofer IMS, Duisburg, Germany)
- 14:25 Computer Aided Design for Antennas, Transmission Channels and the Optimisation of Transponder Systems**
(F. Deicke, Fraunhofer IPMS, Dresden, Germany)
- 14:50 A SOAP capable HF-RFID-Reader**
(A. Löffler, University Erlangen-Nürnberg, Germany)
- 15:15 Exchange of Contact Data between Mobile Phones using NFCIP**
(J. Müller, University of Potsdam, Germany)
- 15:40 Coffee Break / Industrial exhibition**
- Session 3: RFID and Positioning**
Chair: E. Schmidt Room: Aula, Kollegiengebäude I
- 16:15 Analysis of an UHF RFID System for Interior Position Sensing**
(M. Wernle, Meshed Systems, München, Germany)
- 16:40 Indoor Positioning via Three Different RF Technologies**
(P. Vorst, University of Tübingen, Germany)
- 17:05 End of the first day**
- 19:30 Social Event**
Incl. wine tasting with the German winemaker of the year

Wednesday, 11.06.2008

- 08:45 Securing Passive RFID Tags Using Strong Cryptographic Algorithms**
(M. Feldhofer, University of Graz, Austria - Inv. Speaker)
- Session 4A: Transponder and Sensing**
Chair: S. Kolnsberg Room: Aula, Kollegiengebäude I
- Parallel session 4B: Applications and Business Value**
Chair: J. Strüker Room: 01014, Wilhemstr. 26
- 09:45 Field Powered 2.45 GHz ISM Band Transponder Integrated in Metallic Objects**
(E. B. Kaldjob, Leibniz University, Hannover, Germany)
- RFID for the Internal Logistics of Foods Manufacturers**
(H. Baars, Institute of Business Administration, University of Stuttgart, Germany)
- 10:10 A Passive Long-Range UHF Transponder with Integrated Temperature Sensor**
(T. Feldengut, Fraunhofer IMS, Duisburg, Germany)
- Assessing the Business Value of RFID under uncertain Conditions**
(M. Lewandowski, BIBA, Bremen, Germany)
- 10:35 Coffee Break / Industrial exhibition**
- 11:05 Feasibility of Deeply Implanted Passive Sensor Transponders in Human Bodies**
(A. Hennig, Fraunhofer IMS, Duisburg, Germany)
- Evaluation of RFID Investments – The Extended Performance Analysis Approach**
(U. Urban, International Performance, Stuttgart, Germany)
- 11:30 Integrated Scenario for Machine-Aided Inventory Using Ambient Sensors**
(T. Schairer, University Tübingen, Tübingen, Germany)
- Auto-Receiving and Seat Tracking with RFID in the Supply Chain of the Automotive Industry**
(F. Koyuncu, Ford-Werke GmbH, Köln, Germany)
- 11:55 Printed RFID - From Vision to Market**
(J. Krumm, PolyIC, Fürth, Germany)
- An Integrated Approach for the Planning an Evaluation of Auto-ID**
(T. Rhensius, FIR, Aachen, Germany)
- 12:20 Using RFID and SCEM for Optimisations in Container Logistics**
(N. Meyer-Larsen, ISL, Bremerhaven, Germany)
- 12:45 Lunch / Industrial exhibition**
- Session 5: RFID and Security**
Chair: H. Pohl Room: Aula, Kollegiengebäude I
- 14:00 Application of Passive Asymmetric RFID Tags in a High-Assurance Avionics Multi-Domain RFID Processing System**
(A. Köpf, Siemens AG, München, Germany)
- 14:25 Anti-Counterfeiting Based on Supply Chain Proximity**
(A. Dada, SAP Research, St. Gallen, Switzerland)
- 14:50 Visualization of Supply Chain Events for Anti-Counterfeiting**
(F. Hoffmann, SAP Research, Karlsruhe, Germany)
- 15:15 Coffee Break / Industrial exhibition**
- Session 6: RFID and Privacy**
Chair: G. Müller Room: Aula, Kollegiengebäude I
- 15:45 RFID and Privacy (Invited Speaker)**
(E. Schmidt, Pepperl+Fuchs GmbH, Mannheim, Germany - Inv. Speaker)
- 16:10 Today's Privacy Technologies: Possibilities and Limits**
(S. Wohlgenuth, IIG, University of Freiburg, Germany - Inv. Speaker)
- 16:35 Open Discussion**
- 17:00 End of the Workshop**

Workshop Registration Form

RFID SysTech 2008

4th European Workshop on RFID Systems and Technologies

June 10th to June 11th, 2008, Freiburg – IIG

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

VDE-Conference Services, Stresemannallee 15, 60596 Frankfurt

Fax: +49-(0)69 96 31 52 13 vde-conferences@vde.com

Opening of registration: 13.05.2008

Mr. Mrs.

Title:..... Family name:.....First name:.....

Invoicing Address:

Company:.....Department.....

Street Nr.:.....Country:.....

ZIP Code:.....City:.....

Telephone:.....Fax:.....

E-Mail:.....

I don't accept to publish my presentation at your web-site.

I don't accept to publish pictures of me at your web-site

Workshop fees

Incl. 1 copy proceedings (CD-ROM), coffee-breaks,
lunch-snack, social event

Participant EUR 210,--

Speaker EUR 189,--

Date:.....Signature:.....

Please supply full credit card information to avoid delay in registration!

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Date:..... Holder's Signature.....