RFID &wireless IoT tomorrow

DEVELOPER DAY
September 27 2017

TECHNOLOGY

DEVELOPER DAY FORUM 1

FEIG ELECTRONIC
Fraunhofer IIS
HID
KASPER OSWALD
MTI WIRELESS EDGE LTD.
NXP
SIEMENS
syndicate GROUP
voyantic
ZEBRA

With conference talks by developers, experts, consultants, and product managers in four forums on state of the art research and developments, Developer Day offers an exciting vision of RFID technology today and tomorrow!

WIRELESS IOT

DEVELOPER DAY FORUM 2

Fraunhofer IPMS
KASPER OSWALD
Microsoft
CARLO RATTI ASSOCIATI
OPENMATICS
NXP
OPC FOUNDATION
RAIN RFID
AYUNTAMIENTO DE SANTANDER
T-Systems

SOFTWARE & SYSTEMINTEGRATION

DEVELOPER DAY FORUM 3

CONFIDEX
HARTING
KATHREIN
LAB ID
MIELOO & ALEXANDER
NORDIC ID
muRata
vilant
WINCKEL

STANDARDIZATION & RESEARCH

DEVELOPER DAY FORUM 4

aim
zhaw
BAM
CISC
CNRFID
Fraunhofer IIS
imec
RAIN RFID
TUM

USER DAY
September 28 2017

User Day focuses on realised use cases grouped into five thematically sorted expert forums. All participants will gain exclusive insights into useful RFID and wireless IoT applications.
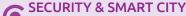
INDUSTRY

USER DAY FORUM 1

AIRBUS
DATA ELEKTRONIK ERP-Systemintegration
Fraunhofer IFAM
Kirschenhofer
OPC FOUNDATION
SBB CFF FFS Cargo
Volkswagen
zhaw

LOGISTICS & SUPPLY CHAIN

USER DAY FORUM 2

midt
Fraunhofer IFF
MULTIPROX
OPENMATICS
post
TUM
SGC
OTLG
WITTE DIGITAL

HEALTHCARE

USER DAY FORUM 3

midt
DCC
CHARITÉ CFM
Newtyork-Presbyterian
ExperMed
KLINIKUM OLDENBURG
Vivantex
simplinic
ASANUS

RETAIL

USER DAY FORUM 4

blulog
Checkpoint
CHEP A Brambles Company
EUROCASH
GOODS TAG
NXP
John Lewis
RIVER ISLAND
VICTORINOX
ZEBRA
PERRY ELLIS
MOJIX

SECURITY & SMART CITY

USER DAY FORUM 5

AARHUS KOMMUNE
AEG ID
CARLO RATTI ASSOCIATI
nordwärts
smart city
face result
DG Studio
IDadvice
SANTANDER
CARLO RATTI ASSOCIATI

Technology & Hardware — Forum 1

START EXHIBITION 9:00 am

TALKS 10:30 am – 12:35 pm

Colorful like a Chameleon: Comprehensive Pentests Shows Vulnerability of NFC Systems
Dr. Timo Kasper / Director / Kasper & Oswald

Wireless Sensor Networks in the Industrial IoT for the Digitalization of Value Chains: Smart Containers, Mobile Pick-by-Light Systems and Assembly Support Systems
Jürgen Hupp / Head of Department Communication Networks / Fraunhofer Institute for Integrated Circuits IIS

RFID and Broadband Antennas are the Link Between the Analog and the Digital World
Reuven Drori / VP RFID Sales & Marketing / MTI Wireless Edge

The Role of RFID in Digitalization – How UHF RFID Readers Become Part of the IoT
Dieter Horst / Head of Product Management Simatic Ident / Siemens

RFID Readers with Embedded Intelligence and New Security Features: A Topic Just for Payment and Access – or for Industry and Logistics too?
Daniel Büth / Technical Sales Engineer / Feig Electronic

LUNCH & EXHIBITION 12:35 pm – 3:00 pm

TALKS 3:00 pm – 5:05 pm

The Path from Requirements to Customer-Specific Special RFID Tags for Industrial Production, Toll Control, Sports Timing, and Much More
Arjun Aggarwal / Director / Syndicate Group

Bluetooth Smart – a Key Technology for the IoT: Overview and Use Case Scenarios
Richard Aufreiter / Director Product Management Identification Technologies / HID Global

Intelligent Environment, Intelligent Object – How RFID, BLE, and Others Transform Consumer Experience, Logistics, and Manufacturing
Ralf Schulze / Manufacturing Lead EMEA / Zebra Technologies

Do you Know Your Tags? Distilling Competitive Advantage Out of Test Data
Juho Partanen / Director of Business Development & Co-Founder / Voyantic

NFC is Ready for Industry and IoT: For Parameterization and Diagnosis of Control Units, as a Cable Replacement for Device-to-Device Communication, and Much More
Richard Schmidmaier / Senior Marketing Manager Mass Market, NFC Readers / NXP Semiconductors

Wireless IoT — Forum 2

OPC FOUNDATION PARTNER

START EXHIBITION 9:00 am

TALKS 10:30 am – 12:35 pm

What is the best route into Industry 4.0 and IoT?
Stefan Gubi / Senior VP Cross Industries & IoT / T-Systems

All Action, No Talk: The Smart City Pioneer Sets Standards Worldwide with Innovative IoT, Sensor, and RFID Applications on all City Levels and Shapes. The 'Smart City' is Not Just for Its Citizens, But is Created Together with Them
Juan Echevarria Cuenca / Innovation Technical Manager / Santander City Council

OPC UA Makes the Industry Ready for the IoT
Stefan Hoppe / Global Vice President / OPC Foundation

Bringing Together IT and OT with OPC UA
Clemens Vasters / Messaging Architect, Microsoft Azure Service Bus and Event Hubs / Microsoft

Passive RFID Sensor Transponders – Transparent Integration into Secure Industrial and Cloud Environments Such As Switch Cabinets and Machinery Using OPC UA
Dr. Andreas Weder / Business Unit Wireless Microsystems / Fraunhofer Institute for Photonic Microsystems IPMS

RAIN RFID PARTNER

LUNCH & EXHIBITION 12:35 pm – 3:00 pm

TALKS 3:00 pm – 5:05 pm

Security Nightmares in the Internet of Things: Electronic Locks and More
Dr. Timo Kasper / Director / Kasper & Oswald

RAIN Applications and RAIN Technologies for the IoT
Ralf Kodritsch / Director Segment Manager RFID Solutions, Secure Transactions and Identification / NXP Semiconductors

RAIN RFID is a Backbone of the Internet of Things
Steve Halliday / President / RAIN RFID

Telematics, Apps, Bluetooth Smart - the automated future is networked and expandable
Jakub Trcka / Head of Business Development & Product Support, Openmatics

Seamless Integration of Digital Technologies Within the Physical Space of Buildings, Cities and More
Selina Kanner / Business Development Coordinator / Carlo Ratti Associati

Software & System Integration — Forum 3

START EXHIBITION 9:00 am

TALKS 10:30 am – 12:35 pm

Passive UHF RFID and Sensors, Benefits, and New Applications – from Threshold Monitoring to Temperature Measurement
Olaf Wilmsmeier / Product Manager RFID / Harting IT Software Development

Digital Solutions Architectures for Holistic Business Models – Advantages for Production and Logistics in Real-World Applications
Tobias Menn / Senior Consultant / Waldemar Winckel

Tracking & Tracing in the IoT – What Role Will RFID Readers Play in the Future and What Performance Will They Deliver?
Christian Schnebinger / Sales Manager / Kathrein Solutions

RAIN RFID to Drive Efficiency at Leading Hotel Chains
Juha Reima / CEO / Nordic ID

Link Everything: RFID and NFC Tags Transform Physical World Assets into Digital Assets
Barbara Ribic / Sales Manager, EMEA / Confidex

LUNCH & EXHIBITION 12:35 pm – 3:00 pm

TALKS 3:00 pm – 5:05 pm

Advanced Integrated RFID and IoT Solutions in the Oil and Gas Sector Deployed in Mexico, Texas, and Brunei
Drs. Sander Merkx / Partner / Mieloo & Alexander

RFID Integration Success Story, Using the Example of Victorinox. A Multilayer Approach to Brand Protection Using Combinations of Consumer and Channel Targeted Tools and a Cloud-Based System
Torsten Wischnewski / Head of RFID / Rako Security Label

No Labor Needed: 53 Fully Automated Doors for Homeware Deliveries at Jysk
Martti Pinomaa / Business Development Manager / Vilant Systems

RFID Solutions Realised by Using the Appropriate Tag: NFC for Anti-Counterfeiting, NFC & UHF in One Single Dual Frequency Tag
Giovanni Codegoni / Sales Manager / Lab-ID

Standardization & Research — Forum 4

AIM GERMANY PARTNER

START EXHIBITION 9:00 am

TALKS 10:30 am – 12:35 pm

UHF Frequencies, Privacy Regulations, and More – The RFID Industry is Facing Huge Challenges, But Also Great Opportunities
Frithjof Walk / President / AIM-D e.V. and AIM Europe

UHF RFID – Will Europe Continue to Deviate?
Josef Preishuber-Pfügl / Executive Vice-President CTO, Business Manager RFID+NFC / CISC Semiconductor

Privacy Issues and the Forthcoming GDPR (General Data Protection Regulation / Regulation (EU) 2016/679) for RFID and "Smart Connected Objects" Applications
Claude Tételin / Chief Technical Officer / Centre National RFID (CNRFID)

Requirements on Technology and Standards Developments on Behalf of the Industry
Steve Halliday / President / RAIN RFID

The Latest EU Network Information Security Directive – and Why it Can Be of Interest for the RFID Community
Dr. Florent Frederix / European Commission / DG CONNECT / Cybersecurity & Digital Privacy – Unit H 1

Round Table: Questions & Discussion
All Morning Speakers

LUNCH & EXHIBITION 12:35 pm – 3:00 pm

TALKS 3:00 pm – 5:05 pm

Plastic 12-bit RFID Tag and Read-out System with Screen-Printed Antenna
Alexander Mityashin / Program Manager Thin-Film Electronics / Imec

Identification Rethought: Holographics with Wifi Router Provides 3D Image of Environment
Dr. Friedemann Reinhard / Walter Schottky Institut / Technischen Universität München

RFID-Based Sensors for Construction 4.0
Prof. Roland Kueng / Full Professor / Zurich University of Applied Sciences, School of Engineering

RFID Sensor Transponders Enable Automated Bridge Monitoring, Predictive Maintenance, and Detect Corrosion of Concrete
Dr. Matthias Bartholmai / Project Coordinator „KonSens", Department Sensors and Monitoring Processes / BAM Bundesanstalt für Materialforschung

Benefits for RTLS Applications Through LPWAN Technologies, p.e. LoRa at Halle-Leipzig Airport
Prof. Dr. Klaus Richter / Manager, Material Handling Engineering and Systems / Fraunhofer Institute for Factory Operation and Automation IFF

DEVELOPER DAY Award and Evening Event 5:30 - 9:00 pm

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Industry
Forum 1

START EXHIBITION 9:00 am

TALKS 10:30 am – 12:35 pm

Efficient Test Device Management Via RFID in Airbus A380 Cabin Interior Assembly
Tatjana Ockert / Project Manager Efficiency Management / Airbus in Hamburg

RFID Guarantees Secure Tool Change for Truck Catalytic Converters at Kirschenhofer Maschinenbau
Craig Craill / Head of the Electrical Department / Kirschenhofer Maschinen

SBB Cargo Marks More than 5,000 Goods Wagons with RFID as the Basis for Digital Transparency and Predictive Maintenance
Patrick Sorg / Project Manager Asset Intelligence / SBB Cargo

Measurement and Data Transmission from Rotating Machine Parts – How the Industry 4.0 Becomes Reality with Innovative Technology
Prof. Roland Kueng / Full Professor / Zurich University of Applied Sciences, School of Engineering

LUNCH & EXHIBITION 12:35 pm – 3:00 pm

TALKS 3:00 pm – 4:40 pm

The Revolution in Communication with Castings? Fraunhofer IFAM Managed the Proof of Concept Together with Automotive Partners for the Embedding of RFID Transponders Directly in the Manufacturing Process of Cast Automotive Parts
Christoph Pille / Deputy Head of Department Foundry Technology / Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM

Automotive Parts Identification in the Transparent Prototype Project at Volkswagen on a New Level – RFID Use Gains Traction Across the Company
Dr. Malte Schmidt / Head of Information Systems, Virtual Vehicle Construction and Systems / Volkswagen

RFID from Prototyping to Mass Manufacturing – Integration Support for over 500 Suppliers of OEMs Such As VW, Porsche, and Audi
Dennis Pospich / Director / Data Elektronik

Automotive Suppliers Rely on RFID – in the Optimization of their Own Processes As Well As in Connection with OEMs

Logistics & Supply Chain
Forum 2

START EXHIBITION 9:00 am

TALKS 10:30 am – 12:35 pm

Identification Rethought: Holographics with Wifi Router Provides 3D Image of Environment
Dr. Friedemann Reinhard / Head of Group Emmy Noether Research Group on Quantum Sensing / Walter Schottky Institut der Technischen Universität München

Witte Digital Combines the Best of Both Worlds for Digital, Cloud Based, and Classic Vehicle Security Systems for Fleets
Paul Meier / Director Witte Digital / Witte Automotive

IoT, Telematics, and BLE Applications – How Logistics and Production at Dachser and ZF Friedrichshafen Benefit from Innovative Technologies
Jakub Trcka / Head of Business Development & Product Support, Openmatics

Volkswagen OTLG is Fully Committed to RFID: Two Tag Solution, 200,000 RFID-controlled Containers by the End of 2017 – Further Innovations in Implementation
Matthias Wiesemann / Facility Director / Vertriebszentrum Nord, Volkswagen Original Teile Logistik

An Oil Company trusts in an Overarching UHF RFID Solution to Track Rail Wagons
Dr. Bartlomiej Gladysz / Assistant Professor, Warsaw University of Technology/ Faculty of Production Engineering

LUNCH & EXHIBITION 12:35 pm – 3:00 pm

TALKS 3:00 pm – 4:40 pm

Benefits for RTLS Applications Through LPWAN Technologies, p.e. LoRA at Halle-Leipzig Airport
Hon.-Prof. Dr.-Ing. Klaus Richter / Manager, Material Handling Engineering and Systems / Fraunhofer Institute for Factory Operation and Automation IFF

No Errors and More Flexibility for the Production of Custom Switch Cabinets SGC Tackles Complex Challenges with UHF RFID
Stijn De Grez / Business Development Manager Auto-Ident & Systems / Turck Multiprox

Hospital 4.0: Aarhus University Hospital Connects Physical and IT Architecture via RFID and Wireless IoT to Enable a Truly Smart 'Superhospital'
Lars Ganzhorn Knudsen / Project Manager, ICT & Logistics / Projektafdelingen for DNU, Aarhus Universitetshospital

RFID package tracking in the PostNL Spring European postal network
Sander Hart de Ruyter / Manager Digital Development Cross Border Solutions / PostNL

Healthcare
Forum 3

START EXHIBITION 9:00 am

TALKS 10:30 am – 12:35 pm

Current Privacy Policies for the Use of Technology in Healthcare
Gerald Spyra / Lawyer and External Company Data Protection Officer / Office Spyra

Hospital 4.0: Aarhus University Hospital Connects Physical and IT Architecture via RFID and Wireless IoT to Enable a Truly Smart 'Superhospital'
Lars Ganzhorn Knudsen / Project Manager, ICT & Logistics / Projektafdelingen for DNU, Aarhus Universitetshospital

Assets in the Hospital Under Control in Real Time – The Bed Tracking in the Agaplesion Hospital Holzminden Using BLE Is Just the Beginning
Steffen Geyer / Founder & CEO / Simplinic

The Hospital Group Vivantes Increases the Efficiency in Laundry Management with RFID
Ansgar Köhler / Managing Director / Vivantex

CSSD at Oldenburg Hospital Optimises Processes with RFID Based IT System
Karl-Heinz Klüsener / Director Central Sterile Services Department / Klinikum Oldenburg

LUNCH & EXHIBITION 12:35 pm – 3:00 pm

TALKS 3:00 pm – 4:40 pm

Supply of the Campus Charité Mitte with RFID-Tagged Case Carts for 15 ORs and Thus for All Daily Operations
Maike Kukies / Group Leader Case Carts CCM / Charité CFM Facility Management

Saving Money, Increasing Quality and Security: How Healthcare and their Patients Can Now Benefit from Digitization and Automation
Martin Müller-Braun / Managing Director / Expermed

Wroclaw Medical University Rely on NFC Data Logger Solutions for Temperature Controlled Transport of Cytostatic Drugs
Jérémy Laurens / Sales and Marketing Director / Blulog

Saving Nearly 90 % Time in Replenishment Processes of Medication Trays with RFID
Righard van Niekerk / Director Pharmacy Informatics / NewYork-Presbyterian Brooklyn Methodist Hospital

Connecting OR and CSSD: Quality Assurance and Logistics
Armin Schorer / CEO / Asanus Medizintechnik

Retail
Forum 4

START EXHIBITION 9:00 am

TALKS 10:30 am – 12:35 pm

Use Case Victorinox: Connecting Brands and Consumers the Smart Way
Oliver Schwarz / CEO / Goodstag

Optimising Customer Interaction at the POS – How BLE-Based Promotion Tracking Can Increase Retail Revenue
Marco Pannicke / Category Director / Chep Deutschland

UK-Based Fashion Retailer John Lewis Boosts Sales by Rolling Out RFID in 34 Branches
Dominik Brosch / Global Account Manager / Checkpoint Systems

With RFID in 280 Stores, Fashion Retailer River Island Focuses 100 Percent on Time Savings and Accuracy in the Inventory
Helen Tierney / Senior Profit Protection Manager / River Island

US Based Mens Fashion Retailer Perry Ellis Relies on RFID
Patrick Hüttemann / Senior Sales Manager / Mojix

LUNCH & EXHIBITION 12:35 pm – 3:00 pm

TALKS 3:00 pm – 4:40 pm

Stop Wasting Food! Saving Resources and Money by Using RAIN RFID, NFC & Sensors
Ralf Kodritzsch / Director Segment Manager RFID Solutions / Secure Transactions and Identification, NXP Semiconductors

RFID is the Technology to Choose for Reducing Inventory Times in Food Retail by 50 Percent and Increasing Sales by 7 Percent
Torsten Labusch / Technical Pre Sales / Checkpoint Systems

Companies Like the Polish Leading Food Retailer Eurocash Group Rely on NFC Data Logger Solutions for Secured Supply Chains
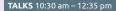Jérémy Laurens / Sales and Marketing Director / Blulog

RFID Ensures Competitiveness in Retail. Keep an Eye on the Future by Relying On the Right Technology Today!
Peter Friedel / Retail and Hospitality Director DACH / Zebra Technologies

USER DAY, September 28

Security & Smart City
Forum 5

START EXHIBITION 9:00 am

TALKS 10:30 am – 12:35 pm

Timekeeping for Sport Events: from Passive UHF for Local Events to Active RFID Technology for Olympic Games
Nikias Klohr / CTO / Race Result

Aarhus is Paving the Path to a Smart City, e.g. by Aiming to Expand RFID-Controlled Crossroads for Bicycles As Well As Developing Security Options
Rita Westergaard / Business Solutions Manager / ID-Advice

"Smart City Dortmund" Connects City and Inhabitants at Eye Level and Offers Innovations for Energy, Mobility, eHealth, and More
Ubbo de Boer / Chairman of the Board, Project "Nordwärts" / Dortmund

Register Court in Warsaw Tracks More Than Half a Million Documents With UHF RFID
Piotr Derengiewicz / Managing Director / DG Studio

Transforming the HQ of the Agnelli Foundation Into an "Office 3.0"
Selina Kanner / Business Development Coordinator / Carlo Ratti Associati

LUNCH & EXHIBITION 12:35 pm – 3:00 pm

TALKS 3:00 pm – 4:40 pm

All action, No Talk: The Smart City Pioneer Sets Standards Worldwide with Innovative IoT, Sensor, and RFID Applications on all City Levels and Shapes. The 'Smart City' is Not Just for its Citizens, but is Created Together with them
Juan Echevarria Cuenca / Innovation Technical Manager / Santander City Council

How Different Smartcard Systems Can Work Together on One Medium Without Interference and at the Same Time Be Able to Operate with High Performance
Simon Arch / Marketing & Sales Director / AEG ID

Six Universities, 110,000 Students, One Card – CampusCard Integrates All Features for Berlin Students
Dr. Tamás Molnár / Head of Service Centre Campuscard Berlin / Humboldt-Universität zu Berlin

Transit in Vancouver: Hands-Free Fare Gates for People with Disabilities

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Exhibitor Logos

30 AEG ID INTELLIGENTIFICATION™
39 AXEM Technology
51 B-Id
31 CAEN RFID
5 Checkpoint – Helping Retailers Grow Profitably
48 CISC semiconductor
6 CISPER
40 COMPRION
41 CONFIDEX – Capturing IDeas
37 DATA ELEKTRONIK – ERP · Systemintegration
32 deister electronic
23 DELTA A PART OF FORCE
45 DENSO – Member of the TOYOTA Group
36 Dipole
39a farsens
46 FEIG ELECTRONIC

9 Fraunhofer IFF
25 Fraunhofer IIS
17 Fraunhofer IPMS
18 HADATAP
14 HARTING – Pushing Performance
29 HID
3 HUAYUAN
16 iDTRONIC
2 KATHREIN
50 KEMAS technologies
31 LAB ID
34 Logopak
52 microSensys – RFID in motion
13 MIELOO & ALEXANDER
8 MOJIX
28 Mti WIRELESS EDGE LTD.
26 muRata – INNOVATOR IN ELECTRONICS
35 NORDIC ID
47a Novatec

15 NXP
33 Omni-ID – Building Intelligent Supply Chains
4 OPC FOUNDATION
20 OPENMATICS
12 RAIN RFID
44 RAKO security-label
47 SAG
21 schreiner LogiData
43 SICK – Sensor Intelligence.
7 SIEMENS
38 syndicate GROUP
24 SYRMA
11 TURCK
27 vilant
10 voyantic
1 wilms – SUPPLY CHAIN TECHNOLOGIES
42 WINCKEL
31 WINTAG
19/22 XERAFY

RFID & wireless IoT tomorrow
conference & exhibition 2017
Dusseldorf, September 27th-28th

Exhibitors from 15 Nations

Partner aim GERMANY · OPC FOUNDATION · RAIN RFID

Foyer Plan, 1st floor, Van der Valk Airporthotel Düsseldorf

Workaholic Bar

Open Kitchen