

EVENT PROGRAM

Wireless Congress: Systems & Applications
22-23 October 2019 | Novotel Messe Munich

wireless**CONGRESS**
systems & applications

09.00-09.15	Welcome Prof. Dr. Axel Sikora Offenburg University/Hahn-Schickard		
09.15-10.00	Opportunities and Research Challenges of 5G Networks Prof. Dr. Wolfgang Kellerer Technical University of Munich		
10.00-10.30	Coffee and Networking Break		
	Topic 1 Technology	Topic 2 Mobile Communication	
10.30-11.00	Cognitive Radio Method for Adaptive Media Access in IO-Link Wireless Based Real-Time Wireless Systems Andreas Hennig Fraunhofer IMS	The Role of 5G in Industry 4.0 Ludger Boeggering u-blox	
11.00-11.30	Networking of Medical Devices in Emergency Helicopters Helmut Lagger and Peter Gersing GPP Communication	5G Transforming Industrial IoT Dr. Josef J. Blanz Qualcomm CDMA Technologies	
11.30-12.00	WiFi-Based URLLC: Mission Critical Wireless Communication Today Dr. Mathias Bohge R3	Private 5G Networks for our Robots and Dairy Cows Harald Naumann Tekmodul	
12.00-12.30	Chip Based Solutions for Wireless Sensors in the IoT Market Michael Muenkel STMicroelectronics Application	Time Optimization of NB-IoT Networks Zubair Amjad Offenburg Univrsity	
12.30-13.30	Lunch and Networking Break		
13.30-14.00	Colocating Multiple Wireless Technologies in IoT Products Anders Pettersson Silicon Labs	Enabling 5G NR Massive MIMO Deployments Harpinder Matharu Xilinx	
14.00-14.30	Tbd	Topic 4 Localisation	
14.30-15.00	Topic 3 Bluetooth	Tracking & Tracing with the Sigfox 0G-Network Stefan Huber Sigfox Germany	
14.30-15.00	Revolutionary Simplicity – Smart Home via Bluetooth Mesh Dr. Ralf Hinkel frogblue	Introduction to UWB Network Topologies and Applications Kenneth Dwyer Decawave	
15.00-15.30	Second Generation Beacons Enrich Content and Accuracy with Bluetooth 5.1 Joe Tillison Silicon Labs	Topic 5 Energy Management	
15.00-15.30		Energy Solutions for Health & Medical Wireless Applications Andreas Warta Varta Microbattery	
15.30-16.00	Coffee and Networking Break		
16.00-16.30	High Accuracy, Secure Ranging and Localization on Future Bluetooth Radios Christian Bachmann imec	Beyond the Data Sheet: Considerations for Calculating Battery Life for Wireless IoT Devices Anders Pettersson Silicon Labs	Tutorial – IP500 Alliance
16.00-16.30			IP500 Standard – EN Pro-Conformed by VdS, Wireless IoT Standard for Commercial Buildings Helmut Adamski IP500 Alliance
16.30-17.00	Data Streaming in Real Time Using Bluetooth Low Energy Rudi Latuske OpenSynergy	Sensing Everything, Everywhere: Towards Zero Battery Alain Porret CSEM	Redundant IoT Infrastructure with Fault Tolerant Data Management Florian Schintke ZUSE Institute, Berlin
17.00-17.30	The Internet of Things for Non-Critical Medical Srinivas Pattamatta Atmotic Technologies	Access Control Powered by Energy Harvesting from Door Handle Prof. Dr. Juan-Mario Gruber ZHAW Institute of Embedded Systems	Planner Want Full Interoperability between Security & Comfort Devices Holger Wallmeier Siganet
17.30-18.00	Behavioral Recognition Applications Using a Low-Cost BLE Based Sensor Platform for Electromagnetic Field Distribution Monitoring Gerrit Maus University of Wuppertal	WAIC Compatible Communication System for Current Sensing in Aircrafts Philippe Dallemagne CSEM	IP500 BMS Solution for Commercial Building Automation & Mobility Applications Armin Kaltenbacher PcVue
18.00-20.00	Get-together		

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DAY 2 | 23 October

09.00-09.30	Keynote Industrial 5G – Getting ready for the Factory of the Future Dr. Andreas Müller Bosch		
09.30-10.00	The Future Becomes Mobile Helmut Schnierle Telefonica		
10.00-10.30	Panel Discussion: Private 5G Networks in Germany and the World - When and Where to Use? Chair: Prof. Dr. Axel Sikora Offenburg University/Hahn-Schickard		
10.30-11.00	Coffee and Networking Break		
	Topic 6 Technology	Topic 7 Industrial IoT	
11.00-11.30	An Automatic Framework for Reliable and Repeatable Ad-Hoc Network Simulations Peter Gjøøl Jensen Aalborg University	IoT Networks: How to Choose? Hervé Bibollet Adeunis	
11.30-12.00	Practical Experience with EM Simulations for RF Designs Rashid Talib Arendi	Overcoming Challenges with IQRF Mesh Networks in Smart Cities and Industry 4.0 Sebastian Hopp IQRF Tech	
12.00-12.30	Radio Regulatory Requirements for the IoT Dr. Simon Hindle Element	NeoMesh - 2nd Generation Wireless Mesh Network Thomas Steen Halkier Neocortec	
12.30-13.30	Lunch and Networking Break		
	Topic 8 LPWAN	Topic 10 Mioty	
13.30-14.00	IoT Applications Wolfgang Esch WEPTECH elektronik	The Digital Twin Mirva Saarjarvi Wirepas	
14.00-14.30	A Comparison of the Energy Requirements of Sigfox, LoRaWAN, NB-IoT Prof. Dr. Marcel Meli and David Lorenz ZHAW Institute of Embedded Systems	Industrial Real-Time Communication Using Wireless TSN and DECT David Rahusen Stackforce	
14.30-15.00	Practical Experiences and Analysis of the LoRa Physical Layer for LPWANs Dr. Timo Dammes Lemonbeat	Considerations on Safe Wireless Machine and Robot Operation in Industrial Use Christian Huettner KEBA	
15.00-15.30	Coffee and Networking Break		
	Topic 9 Security	Topic 10 Mioty	Tutorials
15.30-16.00	Using Secure Microcontrollers in IoT Applications: Insights from a Hands-on Evaluation Tobias Schlöpfer ZHAW Institute of Embedded Systems	An Open, End-to-End Wireless Connectivity Platform for Massive Scale Industrial IoT Networks Wolfgang Thieme BehrTech	Embedded Antenna Design – Make or Buy Harald Naumann tekmodul
16.00-16.30	Security Concepts for Embedded IoT Devices Jan Geldmacher Lemonbeat	The Hunt for the Ideal Production Environment Wolfgang Schlauch BMW Group	
16.30-17.00	Leveraging Secure Device Management for In-Field Upgrades and Hardware Services Joe Tillison Silicon Labs	City-Wide Positioning in Mioty Networks Using Signal-Strength Fingerprinting Steffen Meyer Fraunhofer IIS	Tools and Methods for Efficient Antenna Development Günther Klenner K&K Prime Deutschland
17.00-17.30	How to Hack a Smart City and What We Need from Cybersecurity for the Future of Connected Cities Yoni Kahana NanoLock Security & Emmanuel Miconnet Thales	Self-Powered Wide-Area Network by a Unique Combination of Mioty with Energy Harvesting Ferdinand Kemeth Fraunhofer IIS	
17.30	End		

Registration Form

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Registration Form

Please note: in order to be registered you have to fill in **all required fields** * and send it via fax to + 49 (0)89 / 255 56-0155 or register online at www.wireless-congress.com. Once your registration is completed you will receive a confirmation email.

I want to register for

- Day 1 (Oct 22)
- Day 2 (Oct 23)
- Full Conference (Oct 22-23)

I am a

- Student
- Co-Presenter of _____

Conference Fees

One Day (Oct 22 **or** Oct 23)
Full Conference (Oct 22-23)

Early Bird (until Aug 29)

690,- EUR
990,- EUR

Regular (after Aug 29)

890,- EUR
1.190,- EUR

*All fees plus VAT.

Personal Information

Mr./Ms./Title *	First Name *	Last Name *
Company *	Job Title *	Department
Street *	Zip code *	
City *	Country *	
Phone *	Email *	
Purchase order number / Tax ID number etc.		
Date / Signature *		

Session Choices

Please confirm which sessions you would like to attend.

DAY 1 | OCT 22

- Topic 1 | Technology
- Topic 2 | Mobile Communication
- Topic 3 | Bluetooth
- Topic 4 | Localisation
- Topic 5 | Energy Management
- Tutorial

DAY 2 | OCT 23

- Topic 6 | Technology
- Topic 7 | Industrial IoT
- Topic 8 | LPWAN
- Topic 9 | Security
- Topic 10 | Mioty
- Tutorial

Terms and Conditions

- The attendance fee includes participation on the booked conference days, proceedings, lunch and refreshments.
- Cancellations received in writing before or on October 01, 2019 will be subject to a service charge of EUR 50 for one-day registrations and EUR 100 for two-day registrations. For all cancellations received after October 01, 2019 the full conference fee remains payable.
- Substitutions within the same company are welcome at any time.
- The organizers reserve the right to make changes in the program and/or speakers or to cancel sessions/tutorials if conditions beyond its control prevail. Please check www.wireless-congress.com for the latest conference information.
- Students receive a 50 % discount (student ID required, please submit by fax to + 49 (0)89 255 56 - 0155 or by email to JHeger@weka-fachmedien.de).
- For registrations of five persons and more from one company, please contact our conference department for special rates.
- On-site registration: Please register in advance. For on-site registrations a surcharge of EUR 40 per attendee will apply.
- For further details please find the terms and conditions at www.wireless-congress.com.
- All fees excluded VAT.

Contact

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Event Venue

Novotel Messe Munich
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