

Sponsor
as at June 26, 2018



DAY 1 Wednesday November 14, 2018				
09:00	15 Years Wireless Congress – Happy Birthday: A Review and an Outlook on the Wireless World			Prof. Dr. Axel Sikora, University of Applied Sciences Offenburg
09:30	LTE Cat-NB1 and M1 Pave the Way for 5G-IoT			Len Jelinek, IHS Markit
10:00	The Potential of 5G for Industry 4.0			Afif Osseiran, PhD, Ericsson
10:30	COFFEE & COMMUNICATION BREAK			
	Session 01: IOT/Networks	Session 02: Security	Session 04: Energy Harvesting	Session 05: Mobile Communication
11:00	Why Beacons Are Not the Solution: Understanding Proximity Technologies and Using them to Your Advantage Michael Wolf, Wingu	Authenticating Wireless Nodes in Building Automation: Challenges and Approaches Prof. Andreas Rüst, ZHAW InES	New Developments in Advanced Security for Energy Harvesting Wireless Systems Marian Hoensch, EnOcean Alliance	NB-IoT and LTE-M: What to Know before You Start Development Joachim Dressler, Sierra Wireless
11:30	Making the Right Choice: Wireless Technologies for the IoT Jean Labrosse, Silicon Labs	Z-Wave – How does State of the Art Wireless Security Look Like Prof. Dr. Christian Paetz, Z-Wave Alliance	Energy-Harvesting in Zigbee 3.0 Arasch Honarbacht, PhD, ubisys technologies	The Internet of Things Becomes Mobile – Opportunities, Challenges and Solutions for IoT Devices Matthias Weiss, PhD, CommSolid
12:00	Cross Analysis of Zigbee Against Other IoT Networking Stacks Henk Veldhuis, TÜV Rheinland	Security Tradeoffs and Commissioning Methods for Wireless IoT Protocols Lars Lydersen, PhD, Silicon Labs	Electromagnetic Harvester for Self-Sufficient Wireless Current Sensors Andreas Hennig, PhD, Fraunhofer IMS	NB-IoT Power Saving and Cloud Connectivity in Practice Lyn Sören Matten, mm1 Technology
12:30	Comparing Zigbee, Thread and Bluetooth Mesh Performance – Who Wins? Tom Pannell, Silicon Labs	Session 03: Industrial Wireless Communications in Automation and Connected Industries Prof. Dr. Armin Dekorsy, Dr. Dirk Wübben; University of Bremen	Energy Harvesting Shoes Prof. Dr. Juan-Mario Gruber, ZHAW InES	Performance Investigation for Narrowband Internet of Things Zubair Amjad, University of Applied Sciences Offenburg
13:00	LUNCH BREAK			
14:00	IQRF – Wireless Mesh Technology, Ecosystem and Alliance for Robust and Reliable IoT Solutions Simon Chudoba, IQRF Alliance	Wireless Communication for Smart Cities and Buildings Milan Popovic, Popovic Consulting	Mesh Without Batteries? Energy Harvesting Devices for Bluetooth Matthias Kassner, EnOcean	Session 07: Bluetooth Bluetooth Low Energy: Mesh Networking Simplified Brian Senese, OpenSynergy
14:30	2nd Generation Wireless Mesh Network for Reliable Communication in Unlicensed Spectrum Thomas Steen Halkier, Neocortec	High-Speed, Cellular Li-Fi HotSpot for Real-Time Applications René Kirrbach, Fraunhofer IPMS	Indoor Smart Gardening Based on an Energy Autonomous Wireless Network Platform Prof. Dr. Elke Mackensen, Sebastian Möhringer, Patrick Moser, University of Applied Sciences Offenburg	Comparing the Energy Requirements of Bluetooth Smart Devices (2018) Prof. Dr. Marcel Meli, Manuel Brüttsch, ZHAW InES
15:00	Session 06: DECT DECT for 5G Daniel Hartnett, DECT Forum	Optimizing Production Processes with Wireless Smart Sensors and Tracking André Hanak, Fraunhofer IIS	Energy Harvesting Solutions for Low Power Wide Area Network Graham Martin, EnOcean Alliance	How We've Built the Biggest Bluetooth Mesh Network for Lighting Applications Janusz Stasik, SILVAIR
15:30	Interoperability of Wireless Technologies – ULE & IoTivity Bridging Gateway Project Avi Barel, ULE Alliance	Real-Life IO-Link Wireless Performance for Industrial Application Pascal Gaggero, PhD, Balluff	Harvesting Energy from Trees in Order to Power LPWAN IoT Nodes Prof. Dr. Marcel Meli, ZHAW InES	Trending Near You: Advanced BLE Beacons Using Bluetooth 5 Joe Tillison, Silicon Labs
16:00	COFFEE & COMMUNICATION BREAK			
16:30	Tutorial 01: DECT openD: Leveraging the Uniqueness of DECT and ULE for State of The Art Wireless Connectivity Daniel Hartnett, DECT Forum	Tracking Forklifts in Large Indoor Spaces with Off-The-Shelf Devices Luen To, Thorsten Vaupel, Steffen Meyer; Fraunhofer IIS	Tutorial 03: emb::6 emb::6 Workshop David Rahusen, Daniel Jäckle, Patrick Weber; STACKFORCE	Tutorial 04: Li-Fi From Wi-Fi to Li-Fi Alexander Noack, PhD, Fraunhofer IPMS
17:00		Tutorial 02: NB-IOT Make your Hands Dirty on NB-IoT Application Wilhelm Oelers, Triptec HL		
18:00	Live Hacking: WLAN-Security and Get-together			
	Security of Things or "Never touch a running system" – Quality Assurance in Times of Internet of Things (Problems of Digitization in Live Hacking)			Thomas Haase, T-Systems Multimedia Solutions
19:30				

DAY 2 Thursday November 15, 2018			
09:00	5G – Expectations, Opportunities, Challenges – and Missing Pieces		Prof. Dr. Gerhard Fettweis, Vodafone/TU Dresden
09:30	Semiconductor Technologies for 5G Applications		Nadine Collaert, IMEC
10:00	5G Development for Vertical Industries		Dr. Joseph Eichinger, Huawei
10:30	Panel Discussion: 5G - the All-in-One Wireless Connectivity Suitable for Every (Industrial) Purpose?		Chair: Prof. Dr. Axel Sikora, University of Applied Sciences Offenburg
	Panellist: Prof. Dr. Gerhard Fettweis, Vodafone/TU Dresden, Nadine Collaert, IMEC, Dr. Joseph Eichinger, Huawei		
11:00	COFFEE & COMMUNICATION BREAK		
	Session 08: WiFi	Session 09: Zigbee	Session 10: LPWAN
11:30	5G or .11ax, a New Battle of Standards? Cees Links, Qorvo	Introduction to Zigbee 3.0: What's in the Stack? Arasch Honarbacht, PhD, ubisys technologies	Evaluation of the Use of LoRaWAN and SigFox for the Transmission of Location Data of Mobile Systems Nicole Hirtreiter, Prof. Gerald Kupris; Deggendorf Institute of Technology
			Session 11: Technology
12:00	Analysis of IEEE 802.11ax High Efficiency WLANs for in-Vehicle Use Alper Akbilek, perisens	Zigbee Smart Energy 1.4 Jonathon Harros, Element Materials Technology	Integrated 3-µA UHF Triband Receiver for Simultaneous Multiband Reception Heinrich Milosiu, PhD, Fraunhofer IIS
			Universal Testbench for LPWA and NB-IoT Jubin Sebastian E., University of Applied Sciences Offenburg
12:30	Driving Wi-Fi Based Connectivity for Low-Power IoT Applications Siddharth Sundar, Silicon Labs	Dotdot – the Universal Language of the IoT Jonathan Harros, Element Materials Technology	Maximizing the Range of Low-Current Wireless Designs Martin Stoehr, Maxim Integrated
			Telegram Splitting Multiple Access – a Novel Physical Layer Approach for Highly Scalable Low Power Wide Area Networks Josef Bernhard, Fraunhofer IIS
13:00	LUNCH BREAK		
14:00	Session 12: LoRa	Session 13: Compliance	Session 14: Sigfox
	LoRaWAN – Ideal Solution for Sensor Networks Michael Fink, Semtech Germany	Radio Lockdown Directive Sebastian Raible, European Parliament	Deploy Highly Scalable, Low Power Wireless Systems Faster with OpenWeightless Michael Green, OpenWeightless CIC
14:20		The EU Radio Equipment Directive and its Consequences to Implementations François Ambrosini, IBIT Ambrosini	
14:30	LoRa Rollout Overview Johannes Fottner, David Armour; Semtech Germany		Session 15: Antenna
		Software Defined Radio Regulation – an SMEs View Guido Körber, Code Mercenaries	Re-Configurable Antennas for 5G Devin Crawford, ANSYS Germany
14:40			Design of IoT MIMO Antenna Heikki Rekonen, National Instruments
15:00	Does it Always Have to Be LoRaWAN? Heinz Syrzisko, IMST	Discussion	Sigfox – Indoor-Performance for Smart Building and Smart Metering Installations Michael Muenkel, STMicroelectronics Application
			Using PIFA Technology to Secure Stable Connectivity in Mobile IoT Units Tommy Kärrman, Antti Silventoinen; Proant
15:30	COFFEE & COMMUNICATION BREAK		
16:00	Tutorial 05: IP 500	Tutorial 06: Narrowband	Tutorial 07: Sigfox
	IP500 Alliance Standard – Certified Wireless IoT Network for Commercial Buildings Helmut Adamski, IP500 Alliance	Introduction to Narrowband-Communication Matthias Herlich, Salzburg Research	Open-Source Software and Hardware Systems Alexander Lehmann, Sigfox Germany
17:00			Tutorial 08: Antenna
17:30			Embedded Antenna Design – Make or Buy Harald Naumann, tekmodul
18:00			Tools and Methods for Efficient Antenna Development Roger Denker, MegiQ

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Registration I Fill in, send, take part.

Please note: In order to be registered you have to fill in all required fields marked with an asterisk *.
(A confirmation email will be sent to you)

I want to register for

- Only Day 1 (Nov. 14)
 Only Day 2 (Nov. 15)
 Full Conference (Nov. 14-15)

I am a

- Student
 Co-Speaker

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

My company is a member of:

- Bluetooth SIG KNX Association Weightless SIG
 EnOcean Alliance LoRa Alliance ZigBee Alliance
 IQRf Alliance

Want to state a different billing-address?

Type it easily by registering online: www.wireless-congress.com/registration

My choice

DAY 1 | Wednesday | November 14, 2018:

- S01: IOT/Networks S07: Bluetooth
 S02: Security T01: DECT
 S03: Industrial T02: NB-IOT
 S04: Energy Harvesting T03: emb::6
 S05: Mobile Communication T04: Li-Fi
 S06: DECT

DAY 2 | Thursday | November 15, 2018:

- S08: WiFi S14: Sigfox
 S09: Zigbee S15: Antenna
 S10: LPWAN T05: IP 500
 S11: Technology T06: Narrowband
 S12: LoRa T07: Sigfox
 S13: Compliance T08: Antenna

Conference fees	by Sept, 27	after Sept, 27
One-Day (Nov 14 or 15)	690,- EUR	870,- EUR
Full Conference (Nov 14 and 15)	990,- EUR	1.190,- EUR

All fees plus VAT.

Terms and Conditions:

- The attendance fee includes participation on the booked conference days, proceedings, lunch and refreshments.
- You will receive a confirmation of your conference registration along with your invoice.
- Cancellations received in writing before or on October 24, 2018 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 24, 2018 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).
- Members of Bluetooth SIG, EnOcean Alliance, IQRf Alliance, KNX Association, LoRa Alliance, Weightless SIG and Zigbee Alliance receive a 10 % discount.
- 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.

Venue (Congress will take place in parallel to electronica):

ICM – International Congress Center Munich, Messagelände, 81823 Munich, Germany

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