Program Day 1 l Wednesday l July 12, 2017

09:00-09:05	**Opening of the Wireless Power Congress**	
09:05-09:30	**Keynote: Challenges in Mass-market Application of Wireless Power Transfer**	Menno Treffers, The Wireless Power Consortium
	Session 1: Industry I	
09:30-10:00	**No Limits – Driving the Evolution of Wireless Charging for Laptops, Power Tools and the IoT**	Vaclav Halbich, NXP Semiconductors
10:00-10:30	**Wireless Power – A View From the Other Side of the Chasm**	Laurence McGarry, Integrated Device Technology
10:30-11:00	**Business Break**	
11:00-11:30	**Topology Study for an Inductive Power Transmitter for Cordless Kitchen Appliances**	Mahesh Itraj, Philips Consumer Lifestyle
11:30-12:00	**High Power Transfer for Wireless Power Industrial Applications**	Jelena Mijuskovic, Würth Elektronik eiSos
12:00-12:30	**Wireless Power Solutions in the 20W and 40W Arena**	Johannes Fottner, Semtech Germany
12:30-13:30	**Business Lunch**	

	Session 2: Industry II		Session 4: Technology I	
13:30-14:00	**Selecting the Right Inductor for Wireless Power Transfer**	Cem Som, Würth Elektronik eiSos	**Maximum Efficiency in Non-Radiative Wireless Power Transfer**	Dr. Konstantin Kanelis, European Patent Office
14:00-14:30	**How to achieve the highest Energy Density in small Form Factor Battery**	Matthias Dorsch, VARTA Microbattery	**Efficiency Enhancement of High Q Energy Harvesting Networks**	Christian Merz, Technische Hochschule Deggendorf
	Session 3: Medical			
14:30-15:00	**Adaptive Very High Frequency Wireless Power Transfer Systems for Biomedical Brain Implants**	Sebastian Stöcklin, Albert-Ludwigs-Universität Freiburg	**Comparison on Powering Passive RFID Transponder by Varying Datarates, Modulation Schemes and Modulation Indexes**	Peter Kuhn, Fraunhofer IMS
15:00-15:30	**Wireless Power for Medical Applications with Loose Coupling**	Markus Rehm, Dr. Thomas Wille, IBR Ingenieurbüro Rehm	**Converter and System Topologies and implementation to achieve high power (150W to 2.5kW) wireless power transfer**	Dr. Paul Mitcheson, Imperial College London
15:30-16:00	**Business Break**			
	Tutorial (limited)		**In-Booth Presentations**	
16:00-17:30	**How to Integrate Wireless Power in my Device Using the Würth Elektronik Wireless Power Design Kit** In small groups the attendees will learn about the features of the design kit and how design and placement of the receiver coil impacts the system performance. Each attendee of this workshop will receive a Wireless Power Design Kit.	N.N., Würth Elektronik	**In-Booth Presentations – schedule coming soon** A dedicated session on the first day of the Wireless Power Congress is reserved for four presentations of products and solutions by exhibitors, directly at their booth.	
17:30-19:00	**Evening Mixer** - Network in a relaxed, friendly atmosphere in our exhibition area. These event is a great way to meet other attendees, exhibitors and speakers and discuss new developments and businesses. The mixer is open and free to all attendees, exhibitors and speakers. Appetizers will be provided.			

Program Day 2 l Thursday l July 13, 2017

09:00-09:30	**Keynote: Wireless Power Transfer – What Will Be the Future?**	Jörg Hantschel, Würth Elektronik
	Session 5: Automotive	
09:30-10:00	**Wirelessly Charged Autonomous Vehicles Will Mobilize the Smart City**	Peter Wambsganß, WiTricity
10:00-10:30	**The Future of Urban Mobility is Autonomous, Connected, Electric and Wireless**	Thomas Nindl, Qualcomm Halo
10:30-11:00	**Business Break**	
11:00-11:30	**Analysis and Design of Inductive Power Transfer Systems for Automotive Battery Charging Applications**	Dr. Wahab Ali Shah, Huazhong University of Science & Technology
11:30-12:00	**A State of the Art Review on Wireless Power Transfer a Step towards Sustainable Mobility**	Zeeshan Ahmad Khan, Technical University Munich
12:00-12:30	**Optimized EMF Design of a High Power Air Gap Transformer with large secondary Displacement**	Robert Czainski, Bombardier PRIMOVE
12:30-13:30	**Business Lunch**	
	Session 6: Technology	
13:30-14:00	**Broadband Electromagnetic Material Characterization for the Design of a Wireless Power and Data Link**	Christian Reinhold, ifak e.V. Magdeburg / Phoenix Contact Stiftung
14:00-14:30	**Power Measurements in a Wireless Power Transfer (WPT) System**	Laurens Swaans, nok9
14:30-15:00	**Development of a Wireless Power Transmission for a Revolving, Reversing Toothed Belt**	Stefan Keil, Fraunhofer IWU
15:00-15:30	**Design and Evaluation of a Resonant DC-DC Converter for Wireless Battery Charging Applications**	Nilton Spagnol Trento, Federal University of Technology of Parana
15:30-16:00	**Business Break**	
16:00-16:30	**Magnetizable concretes to Boost up Wireless Power Transmission**	Mauricio Esguerra, MAGMENT
	Session 7: Compliance	
16:30-17:00	**Is there any Risk Related Inductive Charging with High Power and Frequencies above 30 KHz up to 10 MHz?**	Werner Grommes, Institute for Research and Testing of the German Social Accident Insurance (DGUV/IFA)
17:00-17:30	**ISO - Accuracy and Traceability for the Development of Wireless Power Transfer (WPT) Systems**	Lukas Leander, nok9
17:30-18:00	**Approval of WPT-Systems according to EMV-Directive and new RED-Directive**	N.N.

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❒ **Day 1 (July 12)**
- ❒ Session 1: Industry I
- ❒ Session 2: Industry II
- ❒ Session 3: Medical
- ❒ Session 4: Technology
- ❒ Tutorial

❒ **Day 2 (July 13)**
- ❒ Session 5: Automotive
- ❒ Session 6: Technology
- ❒ Session 7: Compliance

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Congress Fees	until June, 06	from June, 07
One-Day (July 12 **or** 13)	405,- EUR	455,- EUR
Full Conference (July 12 **and** 13)	655,- EUR	755,- EUR
Day 1 + Tutorial (July 12)	554,- EUR	604,- EUR
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