

Program

Wednesday | March 21, 2018

09:00 - 09:30	Opening Keynote: Wireless power in consumer products – maintaining safety when power levels increase	Menno Treffers, The Wireless Power Consortium
Session 1: Technology		
09:30 - 10:00	Reliable wireless charging tolerant of coil coupling misalignment and foreign object detection	Frederik Dostal, Analog Devices
10:00 - 10:30	Highly Efficient Resonant Wireless Power Transfer with Active MEMS Impedance Matching	Bernard Ryan, Solace Power; Marten Seth, Menlo Micro
10:30 - 11:00	Coffee break and Networking in the Exhibition	
11:00 - 11:30	Wireless Power Transfer for wearable applications	Jelena Mijuskovic, Würth Elektronik
11:30 - 12:00	Electrical Characterization of Carbon Fibres for Wireless Inductive Charging	Lucas Ciccarelli, RWTH Aachen University
12:00 - 12:30	Mastering your wireless charging design challenges (inductive & resonant)	Stephan Schaecher, Infineon Technologies
12:30 - 13:00	Simulation Driven Development of Wireless Power Charging Systems	René Fuger, CADFEM (Austria)
13:00 - 14:00	Lunch break and Networking in the Exhibition	
Session 2: Compliance		
14:00 - 14:30	Is Wireless Power free of any risk or dangerous around the transmission coil?	Werner Grommes, DGVU/IFA Institut für Arbeitsschutz
14:30 - 15:00	Novel Approach for Compliance Testing of Wireless Power Transfer Systems with Human Exposure	Iliaria Liorni, IT'IS Foundation
15:00 - 15:30	Certification and regulatory (CE) approval of a WPC Qi device	Niels Jess, CETECOM
15:30 - 16:00	Coffee break and Networking in the Exhibition	
Tutorial 1: Global Approval of a WPT Device		
16:00 - 18:00	Global Approval of a WPT Device	Isabelle Ludwig, CETECOM
18:00 - 19:00	Get-together and Networking in the Exhibition: We would like to use the relaxed atmosphere of a nice evening for interesting conversations with attendees, speakers and exhibitors. Enjoy together with us the evening with some culinary highlights.	

Thursday | March 22, 2018

Session 3: Safety		
09:00 - 09:30	Wireless Charging based on Qi – Safety technics	Winfried Bilgic, ROHM Semiconductor
09:30 - 10:00	Safety Considerations for Wireless EV Charging	Thomas Nindl, Qualcomm
10:00 - 10:30	Implant Safety: Novel Mechanistic Approach at WPT Frequencies	Iliaria Liorni, IT'IS Foundation
10:30 - 11:00	Coffee break and Networking in the Exhibition	
Session 4: Technology		
11:00 - 11:30	Device authentication using in band communication	Gopi Akkinepally, Integrated Device Technology
11:30 - 12:00	Wireless Power Meets Industrial Li-Fi Data Communication	Frank Deicke, Fraunhofer IPMS
12:00 - 12:30	Qi power control principles and consequences on PTx design	Christian Beia, STMicroelectronics
12:30 - 13:30	Lunch break and Networking in the Exhibition	
Session 5: Design Practice		
13:30 - 14:00	The Path to First-Try Success Making Qi Compliant Wireless Power Receivers and Transmitters	Dave Wilson, Kinetic Technologies
14:00 - 14:30	Selecting the right coil for wireless power transfer	Jörg Hantschel, Würth Elektronik
14:30 - 15:00	Commercial and automotive 3 coil wireless charging	Michael Fink, Semtech
15:00 - 15:30	200 W inductive wireless power transfer with integrated data communication	Cem Som, Würth Elektronik
15:30 - 16:00	Coffee break and Networking in the Exhibition	
16:00 - 18:00	Workshop 1: Inductive resonant energy transfer in practice	Tutorial 2: Challenge EMI: issues and troubleshooting in WPT systems
	Inductive resonant energy transfer in practice Cem Som, Würth Elektronik In this workshop we will show you the Würth Elektronik eISos proprietary 200W wireless power transfer solution with data communication. With the circuit and layout of the design we will give you practical tips and tricks for your application. In a live demonstration we will measure the most important signals to show how to implement the proprietary wireless power solution in your new or available application. Please note: this workshops has only limited seats available. Please register in advance!	Challenge EMI: issues and troubleshooting in WPT systems Dr. Heinz Zenkner, WPT-Systems In this tutorial will be explained where the challenges in wireless power transmissions are, considering energy transfer mechanisms, frequency ranges, semiconductor technologies and EMC aspects. The topic EMC aspects will be explained in details including system coupling mechanisms, noise sources, critical components, filter concepts, layout design, grounding concepts and last but not least precompliance measurements of radiated emission.

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