

WIRELESS CONGRESS 2010: SYSTEMS & APPLICATIONS

Day 1 – November 10, 2010					
09:00-09:50	ROOM: 5 - OPENING KEYNOTE: Smart Phones, Mobile Connected Devices and M2M Markets Poised For Explosive Growth: Where are the opportunities? What are the challenges? Dale Ford, iSuppli & Jagdish Rebello, iSuppli				
	Industrial Automation	ROOM 5	Mobile Communication	ROOM 2	ROOM 3 10:00 -12:30 – Tutorial 1 Bluetooth Low Energy- from the design goals and requirements to how it works Robin Heydon, Nick Hunn, CSR
10:00-10:30	WLAN adopted and adapted by Automation Engineers Bruno Forgue, ProSoft Technology		LTE and HSPA - a technical comparison Thomas Nindl, Qualcomm		
10:30-11:00	Fieldbus radiolinks in industrial wireless automation Thomas Schildknecht, Schildknecht		LTE-Advanced - What's next? Meik Kottkamp, Rohde & Schwarz		
11:00-11:30	COFFEE				
11:30-12:00	High Available Wireless Communications for Industrial Automation Andreas Fink, Prof. Helmut Beikirch University of Rostock		Optical Wireless Communication - Discover a New Experience Dr. Frank Deicke, Fraunhofer IPMS		
12:00-12:30	Experiences with UWB Development for Industrial Application Lars Möllendorf, Steinbeis Transfer-Centre Embedded Design & Networking		Wireless Bridges at 60 GHz Beniamino Ceglie, HUBER+SUHNER		
12:30-13:30	LUNCH				
13:30-14:20	ROOM: 5 - KEYNOTE: Bluetooth Low Energy - What is it and how will it impact key industries? Anders Edlund, Bluetooth Special Interest Group				
	Wireless Sensor Networks I	ROOM 5	Bluetooth Technology I	ROOM 2	ROOM 3 14:30-16:00 – Tutorial 2 IT-Security in Mobile Applications Dr. Thomas Wollinger, Dr. Jan Pelzl, André Osterhues, escrypt
14:30-15:00	Commissioning, Relaying and Monitoring of Large-Scale Wireless Metering Networks Dirk Lill, Steinbeis Transfer-Centre Embedded Design & Networking		Smart energy challenges and solutions Nick Hunn, CSR		
15:00-15:30	Gateways for Health Care Applications Prof. Dr. Axel Sikora, Baden-Wuerttemberg Cooperative State University Loerrach		Bluetooth and Android: A New Telematics Platform Brian Senese, iAnywhere - a Sybase company		
15:30-16:00	Benchmarking of WSN Solutions Dr. Andreas Wolf, DWW		Bluetooth® low energy - Technical overview of stack's lower layers and latency considerations Enrico Taddeo, Bluegiga Technologies		
16:00-16:30	COFFEE				
	Wireless Sensor Networks II	ROOM 5	Bluetooth Technology II	ROOM 2	ROOM 3
16:30-17:00	Realities of Satellite and Cellular for Sensor Networking John Schwartz, Digi International		Bluetooth HDP and BLE in medical systems Christian Lührs, Stollmann E+V	Technology & Trends	802.16m the future of WiMAX Martin Müller, Rohde & Schwarz
17:00-17:30	Intelligent Sensor Platform Enabling Wireless Sensing Networks Stéphane Gervais-Ducouret, Freescale		Bluetooth Low Energy, the optimal Wireless solution for sensors and actuators Rolf Nilsson, connectBlue		Low power, Ultra-Wide Band Transceiver Prof. Dr. Emil Novakov, Prof. Jean-Michel Fournier, IMEP-LAHC
17:30-18:00	Standard-based Low Power Wireless Sensor Networking Applications Joy Weiss, Dust Networks		Novel Bluetooth Classic and Low-Energy Wireless Sniffer Mario Pasquali, Ellisys		NFC within the car - enabler for intuitive functions Dr. Rainer Steffen, Dr. Jörg Preißinger, BMW Group
18:00-18:30	Integrated wireless SoCs for wireless sensor networks Erwan Le Roux, CSEM		First steps in developing your Bluetooth Low Energy application Svein Vetti, Texas Instruments		Real Time Location System based on ISO/IEC 24730-5 Rainer Hach, Albrecht Rommel, Nanotron

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DAY 2 – November 11, 2010

		ROOM 5		ROOM 2		ROOM 3 9:00-11:00 - Tutorial 3 Design Strategies for Energy Harvesting Wireless Integration Frank Schmidt, Markus Kreitmair, EnOcean	
		ZigBee Technology		M2M Technology			
09:00-09:30	ZigBee Wireless Infrastructure: Life Cycle Management Menno Mennenga, Ventocom			24x7 condition monitoring and maintenance with wireless systems Ralf Fachet, NetModule			
09:30-10:00	ZigBee - from Smart Home to Automotive Applications Michael Binhack, senTec Elektronik; Prof. Dr. Gerald Kupris, University of Applied Science Deggendorf			M2M Technology Empowers e-Mobility Holger Lenz, Cinterion Wireless Modules			
10:00-10:30	Intelligent Channel Selection for IEEE802.15.4 Rapid Applications Michael Binhack, senTec Elektronik; Prof. Dr. Gerald Kupris, University of Applied Science Deggendorf			Use and Coexistence of M2M Modules in Potentially Explosive Atmospheres Valerio Carta, Telit Wireless Solutions			
10:30-11:00	Regulatory, certification and qualification requirements of Bluetooth, ZigBee and other short range devices for global market access Joe Lomako, TRaC			Empowering Wireless Remote Lifestyles with M2M Applications John Horn, T-Mobile			
11:00-11:30 COFFEE							
11:40-12:30 ROOM: 5 - KEYNOTE: ZigBee: Consumers – Control your World Benno Ritter, ZigBee Alliance				ROOM: 3 - KEYNOTE: Do we need yet another wireless standard? Graham Martin, EnOcean Alliance			
12:30-13:30 LUNCH							
		ROOM 5		ROOM 2		ROOM 3	
		Energy Harvesting / Power Management I		RFID Technology I		System Design I	
13:30-14:00	Self-powered sensors and switches for intelligent green buildings Dr. Wolfgang Heller, EnOcean			Using RFID for Passive Wireless Sensors Prof. Dr. Gerald Kupris, University of Applied Science Deggendorf; Michael Binhack, senTec Elektronik		Optical Sensors in Smart Mobile Devices Bob Kirk, ON Semiconductor	
14:00-14:30	Practical Application of Energy Harvesting Technologies Roy Freeland, Perpetuum			RFID in Electronic Devices Bernd Tetyczka, NXP Semiconductors		Lithium batteries for wireless sensor networks Dr. Thomas Dittrich, Tadiran Batteries	
14:30-15:00	Experimental study of security impact on battery lifetime for low-power Wi-Fi systems Serbulent Tozlu, Bosch			Microcontroller based passive UHF RFID tags Prof. Dr. Marcel Meli, Zurich University of Applied Sciences		Addressing Electromagnetic Interference for High Speed Serial Interfaces in the Wireless Handset Tim Micun, ON Semiconductor	
15:00-15:30 COFFEE							
15:30-16:20 ROOM: 5 - PANEL DISCUSSION: The Mobile broadband revolution is driving a new paradigm for the wireless industry: How can business models evolve to profit from this paradigm shift? , Chairs: Dale Ford, Jagdish Rebello (iSuppli)							
		ROOM 5		ROOM 2		ROOM 3	
		Energy Harvesting / Power Management II		RFID Technology II		System Design II	
16:30-17:00	RF Power Solutions for USB Modems Paolo Nora, National Semiconductor			Development Specifics of RFICs Dr. Andreas Laute, Melexis		Latest Advancements in Wireless Security Systems Cristian Toma, Vivien Delport, Microchip	
17:00-17:30	Thermal Energy Harvesting – How to Power Today's Wireless Sensor Networks Burkhard Habbe, Micropelt			ISO card sniffing techniques used in 13.56MHz RFID reader systems Jürgen Mayer, Texas Instruments		Fundamentals of embedding antennas Tomas Rutfors, ProAnt	

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