

electronica Embedded Platforms Conference (eEPC)
ICM - Internationales Congress Center München, November 14-15, 2018
 Program as per October 25, 2018

NOVEMBER 14, 2018 – DAY 1

09:30–17:40

Moderator: Siegfried Weigert, ibw industrieberatung

Room: 21

Moderator: Siegfried Best, Best Media Service

Room: 22

Time	Track No.	Embedded Modules	Speaker
09:30		Conference opening Track 1	
09:40	1.1	Comparing high density Flash solutions for Autonomous driving: NOR, SLC NAND, and eMMC	Anil Gupta, Winbond Electronics
10:20	1.2	Why is a custom chip the right choice for Industrial IoT manufacturers?	Alessandro Grande, ARM
11:00		Coffee break	
11:30	1.3	Industry 4.0 embedded processor platform with integrated TSN	Thomas Leyrer, Texas Instruments
12:10	1.4	Efficient Embedded Programming of Multicore Platforms, GPUs and FPGAs	Dr. Timo Stripf, Emmtrix Technologies
12:50		Lunch break	

Time	Track No.	Embedded Boards	Speaker
13:50	1.5	Keynote powered by Elektor: Raspberry Pi goes Industrial	Eben Upton, Raspberry Pi Foundation
14:30	1.6	Raspberry Pi goes Industry	Daniel Kilian, Farnell element14
15:10	1.7	Rapid prototyping real-time applications on Raspberry Pi	Daniel Morris, eCosCentric
15:50		Coffee break	
16:20	1.8	Professional Automation meets Raspberry Pi	Robin Turner, Qube Solutions
17:00	1.9	Smart Modules: Enabling the Next Frontier of Connected Devices	Anil Telikepalli, Maxim Integrated

Time	Track No.	IOT 1	Speaker
09:30		Conference opening Track 2	
09:40	2.1	Multi-protocol wireless communication - Multiple wireless protocol stacks running concurrently on single device. Use-cases and performance trade-offs	Gilboa Ben, Texas Instruments
10:20	2.2	Innovative RF communication method using load modulation in highly RF-weakening environment	Jože Dermol, Strip's
11:00		Coffee break	
11:30	2.3	IoT - Low power Embedded WIFI	Asaf Even-Chen, Texas Instruments
12:10	2.4	How to develop and test a long-range radio application for IOT with a minimum of effort and little background knowledge	Manfred Schommarz, Würth Elektronik eiSos
12:50		Lunch break	

Time	Track No.	IOT 2	Speaker
13:50	1.5	Keynote powered by Elektor: Raspberry Pi goes Industrial	Eben Upton, Raspberry
14:30	2.5	Sensor to Cloud Connection Made Simple With Intelligent Gateway	Volker Rzehak, Texas Instruments
15:10	2.6	The future of MEMS-based smart sensor nodes in the context of highly functional and ultra-low power IoT applications	Dr. Ralf Schellin, Bosch Sensortec
15:50		Coffee break	
16:20	2.7	Selecting Cellular LPWAN Technology for the Internet of Things	Mark Tekippe, Digi International
17:00	2.8	iENBL: The Ultimate Low Power Wide Area Network Rapid Development Platform	Dr. Juan Nogueira, Flex

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NOVEMBER 15, 2018 – DAY 2

09:30–17:40

Moderator: Siegfried Weigert, ibw industrieberatung

Room: 21

Moderator: Sebastian Gerstl, ELEKTRONIKPRAXIS

Room: 22

Time	Track No.	Embedded Design	Speaker
09:30		Conference opening Track 3	
09:40	3.1	Building Blocks for Faster Development	Dr. Heba El-Shaarawy, LACROIX Electronics
10:20	3.2	Remote Evaluation of silicon products on Embedded Systems	Dr. Reza Purtoosi and Peter Canty, Analog Devices
11:00		Coffee break	
11:30	3.3	Printed Electronics: mass production & research and development	Wladimir Punt, Molex
12:10	3.4	Future Proofing Embedded System Thermal Design	Jussi Myllyluoma, Nolato Silikonteknik
12:50		Lunch break	

Time	Track No.	Software Development	Speaker
13:50	3.5	Keynote: Embedded AI: Why Endpoints do not want to stay stupid	Michael Hannawald, Renesas
14:30	3.6	Essential Security Requirements for Internet of Things Devices	Jack Ogawa, Cypress Semiconductor
15:10	3.7	Yocto Project Linux as a Platform for Embedded Systems Design	Alex González, Digi International
15:50		Coffee break	
16:20	3.8	Embedded Virtualization for Leveraging Multi Core Systems in Safety Critical Applications	Stefan Harwarth, Wind River
17:00	3.9	Implementing a Secure OTA update application for wireless MCU devices	Nicholas Lethaby, Texas Instruments

Time	Track No.	IOT 3	Speaker
09:30		Conference opening Track 4	
09:40	4.1	Building Out the Industrial IoT Vision	Suhel Dhanani, Maxim Integrated
10:20	4.2	Connectivity industry: a key innovation driver in the wearability of electronic devices and in the Internet of Things	Jean-Marie Buchilly, Fischer Connectors
11:00		Coffee break	
11:30	4.3	Removing the barriers to developing secure IoT solutions	Erik Jacobsen, ARM
12:10	4.4	Data to the Cloud - 6 weeks of design time, realistic or sportive	Klaus Vogel, Acal BFI
12:50		Lunch break	

Time	Track No.	Machine Learning	Speaker
13:50	3.5	Keynote: Embedded AI: Why Endpoints do not want to stay stupid	Michael Hannawald, Renesas
14:30	4.5	Intelligence everywhere - Bringing machine learning everywhere computing happens	Alessandro Grande, ARM
15:10	4.6	ATM Protection Using Embedded Deep Learning Solutions	Prof. Antonio Rizzo, University of Siena
15:50		Coffee break	
16:20	4.7	Catalyst for the Future: Adaptive Manufacturing Fuels the Power of Industrial IoT	Jeff deAngelis, Maxim Integrated
17:00	4.8	What Is Edge Compute?	Andreas Burghart, Digi International

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