



DAY 1 • NOVEMBER 22, 2016

Nov 22	Track 1 M1	Track 2 M6	Track 3 M5	Track 4 Open Stage	Track 5 M3	Track 6 M4
09:15-10:00	Embedded systems in the automotive industry	Embedded security, components to system	Operating systems	Connected systems of embedded systems Hosted by:  Innovation for Growth	Workshop 1:	FPGA, low power design, processors and systems
	09:15 A flexible test solution to test embedded systems in multiple domains; The C-ITS and IoT use cases Presenter: Dr. György Réthy - Ericsson	09:15 Is IoT security a nightmare? Presenter: Dr. Shahid Raza - SICS Swedish ICT	09:15 Selecting an Embedded Operating System Presenter: Colin Walls - Mentor Graphics	09:15 The Prevas Simple Connect (PSC) Presenter: Daniel Rasmussen - Prevas	09:15 IoT applications made easy using KEIL MDK Presenter: Björn Skånberg, Nohau Solutions. 2,5 hrs. <i>Hands-on session. Limited Seating. Pre-registration necessary.</i>	9:15 SoC FPGA Hardware Security Issues and Resolutions Presenter: Stefano J. Zammattio - Intel PSG
10:00-10:20	KEYNOTE 1 – OPEN STAGE					
	Only great developers make great IoT solutions - Presenter: Magnus Melander - SMSE, THINGS					
10:20-11:00	COFFEE & EXHIBITION					
11:00-12:00	Embedded systems in the automotive industry	Embedded software development and use	Embedded security, components to system	Connected systems of embedded systems	Workshop 1:	Embedded Software Development and use
	11:00 Software trends in automotive embedded systems Presenter: Marcus Nissemark - Green Hills Software	11:00 Is UML Dead? The New Future of Executable Modeling Presenter: Leon Starr - Model Integration	11:00 Security design and assessment of IoT products + Q&A Presenter: Cheng Jiang - Atsec	11:00 Software Ecosystems for the Internet of Things Presenter: Prof. Jakob Axelsson - SICS and Mälardalen University	11:00 IoT applications made easy using KEIL MDK <i>Continued</i>	11:00 Reducing the time, cost and risk of safety critical software development - Reusable Software Components Presenter: Mark Pitchford - Lynx Software Technologies
	11:30 Automotive ADAS feature saves lives with flexible HW (FPGA etc.) – practical implementation reference Presenter: Tryggve Mathiesen - Qamcom R&T AB	11:30 Lower your software development costs through code analysis Presenter: Martin Gisbert - IAR Systems	11:30 Code coverage for safety critical embedded systems Presenter: Olivier Casse - Verifysoft Technology	11:30 Bluetooth Technology Update Presenter: Martin Woolley - Bluetooth SIG		
12:00-12:15	OPENING SPEECH – OPEN STAGE					
	Tomas Lagerberg - ABB					
12:15-13:20	LUNCH & EXHIBITION					
13:20-13:50	KEYNOTE 2 – M1					
	Digitalization – The Fourth Industrial Revolution!? Presenter: Tomas Lagerberg - ABB Corporate Research					
14:00-15:00	Embedded systems in the automotive industry Hosted by: 	Embedded software development and use	Embedded systems in the automotive industry	Connected systems of embedded systems	Workshop 2:	Workshop 5:
	14:00 Writing Reliable Code with MISRA C Presenter: Colin Walls - Mentor Graphics	14:00 C++11/14 features: what's new and why should we care Presenter: Stefano Cadario - ARM Compiler	14:00 Using a Separation Kernel to Protect against the Remote Exploitation of Unaltered Passenger Vehicles Presenter: Mark Pitchford - Lynx Software Technologies	14:00 Decompositional Safety Analysis of Automotive Software: From Functional Safety to Component Testing Presenter: Dr. Mohammad Mousavi – Halmstad University	14:00 IoT applications made easy using KEIL MDK Presenter: Björn Skånberg, Nohau Solutions. 2,5 hrs. <i>Hands-on session. Limited Seating. Pre-registration necessary.</i>	14:00 Code Coverage on µ-Controller Presenter: Sebastian Goetzinger – Verifysoft Technology <i>Max no of seats: 15, first come first served. Bring your own laptop</i>
		14:30 Verification at scale: Fitting static code analysis into Continuous Integration + Q&A Presenter: Steve Howard - Rogue Wave		14:30 Design Exploration Framework for In-node Processing in Smart Sensors Presenter: Dr. Muhammad Imran - Mittuniversitetet		

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15:00-15:30	COFFEE & EXHIBITION					
15:30-17:00	Embedded software development and use	Embedded software development and use	FPGA, low power design, processors and systems	Connected systems of embedded systems	Workshop 2:	Software quality, testing and maintenance
	15:30 Implementing Continuous Delivery for embedded software product: best practices, tools, and challenges Presenter: Andrey Devyatkin - Praqma	15:30 Models to Code with no Mysterious Gaps Presenter: Leon Starr - Model Integration	15:30 Will Dark Silicon constrain the the data center business, will flexible HW (FPGA etc.) be the answer? Presenter: Tryggve Mathiesen - Qamcom R&T AB	15:30 The frequency spectrum, a limited natural resource and the most valuable asset for successful IoT deployments Presenter: Niclas Norlén - LumenRadio	15:30 IoT applications made easy using KEIL MDK <i>Continued.</i>	15:30 Advanced trouble-shooting of critical real-time systems Presenter: Bernd Hufmann – Ericsson
	16:15 Test Automation in Embedded Systems: Meeting the challenge Presenter: Jacob Lärfors, Emenda Nordic	16:15 The Mobile Application as User Interface in industrial IoT Solutions Presenter: Göran Krampe, Evothings	16:00 The Standards for Computer-On-Modules are evolving Presenter: Christian Eder - congatec	16:15 Learning From Mistakes in Testing Automotive Software Presenter: Dr. Mohammad Mousavi - Halmstad University		
			16:30 Semicustom - Partitioning industrial systems architecture with COTS-platforms and customdesign Presenter: Patrik Björklund - Tritech			
17:00-19:00	Industry Reception and presentation of the winners of the Swedish Embedded Award 2016					

DAY 2 • NOVEMBER 23, 2016

Nov 23	Track 1 M1	Track 2 M6	Track 3 M5	Track 4 Open Stage	Track 5 M3	Track 6 M4
09:15-10:00	Embedded software development and use Hosted by: ETAS	Operating systems	Software quality, testing and maintenance	FPGA, low power design, processors and systems	Workshop 3:	Software quality, testing and maintenance
	09:15 Common RTOS-related bugs – How avoid and detect? (Perc01) Presenter: Dr. Johan Kraft - Percepio	09:15 OE-lite Powering Industrial Linux! Presenter: Dr. Kim Højgaard-Hansen - Prevas	09:15 Self-testing in Embedded Systems Presenter: Colin Walls - Mentor Graphics	09:15 Reach highest Computing Performance Levels with Server-On-Modules Presenter: Christian Eder - congatec	09:15 Analog simulation using LTspice Presenter: Thomas Ginell, Linear Technology. <i>2 hrs. Hands-on session. Limited Seating. Pre-registration necessary.</i>	9:15 Improving Software Quality with Static Code Analysis Presenter: Fredrik Häbring - MathWorks
10:00-10:20	KEYNOTE 3 – OPEN STAGE					
	Securing the Embedded Internet of Things - Presenter: Nils Steen - Cisco Systems					
10:20-11:00	COFFEE & EXHIBITION					
11:00-12:00	Embedded systems in the automotive industry	Operating systems	Connected systems of embedded systems	Embedded security, components to system	Workshop 3:	Open source
	11:00 How safe does my code need to be? Presenter: Martin Gisbert - IAR Systems	11:00 The multicore challenge to embedded real-time systems Presenter: Patrik Strömblad - ENEA	11:00 Edge Technology - Key component for I(IOT) Presenter: Davor Tonicic - HMS Industrial Networks	11:00 Open Source Solutions for Embedded Systems Presenter: Dominique Toupin – Ericsson	11:00 Analog simulation using LTspice <i>Continued.</i>	11:00 Technologies for Securing Telecom, NFV, and IoT platforms using Embedded Linux Presenter: Iisko Lappalainen - MontaVista Software
	11:30 Securing the connected car Presenter: Marcus Nissemark - Green Hills Software	11:30 Virtualization Impact on Embedded System Performance Presenter: Alexander Smirnov - ilbers	11:30 Deep learning in the field: from the cloud to industrial embedded systems Presenter: Michael Gielda, Antmicro	11:30 Does Open Hardware enhance or deteriorate quality? Presenter: Per Olof Hedekvist - SP		11:30 Trust - the Biggest Challenge for the Internet of Things Presenter: Anders Englund – Attentec

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12:00-12:15	Svensk Elektronik & Smartare Elektroniksystem – OPEN STAGE Presenters: Lena Norder, Svensk Elektronik and Magnus Svensson, Smartare Elektroniksystem					
12:15-13:20	LUNCH & EXHIBITION					
13:20-13:50	KEYNOTE 4 – M1					
	Knowledge – the true shortcut - Presenter: Kristina Forsberg - SAAB					
14:00-15:00	Embedded software development and use	Operating systems and multicore	Operating systems	Embedded software development and use	Workshop 4	Software quality, testing and maintenance
	14:00 Web-based university courses in software engineering for professional software developers Presenter: Prof. Hans Hansson, Mälardalen University	14:00 AUTOSAR Operating System Optimisations for Multicore Systems Presenter: Dr James Dickie - ETAS Ltd	14:00 Using Hypervisor-Technology for Safe and Secure IoT Devices Presenter: Mehmet Özer - SYSGO AG	14:00 Power Management in Embedded Systems Presenter: Colin Walls - Mentor Graphics	14:00 SeqZap for embedded systems test automation Presenter: Rasmus Toftdahl Olesen, CIM Software Testing <i>Hands-on session. Limited Seating. Pre-registration necessary.</i>	14:00 Still debugging with printf? Presenter: Marc Khouzam - Ericsson
	14:30 Debugging techniques for IoT applications Presenter: Martin Gisbert - IAR Systems	14:30 How to approach multiprocessing and multicore programming without multiplying problems for developers (email) Presenter: Kevin Heawood, BlackBerry QNX	14:30 HASPOC: Secure virtualization on ARMv8 Presenter: Dr. Rolf Blom - Swedish Institute of Computer Science (SICS)			
15:00-15:30	COFFEE & EXHIBITION					
15:30-17:00	Embedded software development and use	Open source	Software quality, testing and maintenance	Connected systems of embedded systems	Workshop 4	
	15:30 Qt for Device Creation Presenter: Laszlo Agocs - Qt	15:30 Building large-scale automation frameworks for Embedded projects Presenter: Dr. Oleg Nenashev - CloudBees Inc	15:30 Consistent and repeatable metrics for managing testing activities Presenter: Michal Jablonski - Vector Software	15:30 Automating service management for 5G networks - Challenges & Initial Solutions Presenter: Dr. Rafia Inam - Ericsson	15:30 SeqZap for embedded systems test automation <i>Continued</i>	15:30 Dynamically Proving Which Security Vulnerabilities Genuinely Exist Presenter: Mark Godfrey, Vector Software
	16:15 IoT – An Industrial (R)evolution? Presenter: Hans Christian Lønstad, Data Respons	16:15 Linux Perf for User Space Developers Presenter: Milian Wolff - KDAB	16:15 Fuzz testing for embedded, connected systems – Experiences and Benefits Presenter: Simon Elén - Trittech	16:00 From Idea to the Field : Industrial Open Hardware for IoT running Open Source software Presenters: Hans Andersson and Luigi Tondo - Acal BFi		