

AGENDA

What you will expect:

- Learn from leading specialists how to successfully migrate from single- to multi-core technology
- Find out from OEMs and suppliers how to integrate a new technology into the development process
- Gain valuable insights on how to manage the new complexity and challenges like real-time requirements, safety and compatibility to existing software architectures
- Share your experience with the attending partners and experts to master the new challenges and set new goals for you and your company

Companies you will meet:

- ARM
- Altium Limited
- BMW Group
- Continental AG
- Elektrobit Automotive
- Hitachi Automotive Systems Europe GmbH
- Infineon Technologies AG
- iSYSTEM AG
- Kalray S.A.
- National Instruments
- Timing-Architects/ Vector Informatik GmbH
- And many more

Keynote Speakers:

Keynote Day 1:

Disruptive Technologies: A shock wave for existing ecosystems?

26th of June, 9:15 – 10:00

by Rahman Jamal – National Instruments

Keynote Day 2:

Performance meets safety and security – future automotive SoC trends

27th of June, 9:00 – 9:45

by Jon Taylor – ARM

In collaboration of



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Conference Day 1 – Tuesday 26th of June 2018

	08:30	Registration and welcome coffee
	09:00	Welcoming and opening remarks of the EMCC 2018 by Erol Simsek, CEO, iSYSTEM AG
	09:15	Keynote speech: Disruptive Technologies: a shock wave for existing ecosystems? by Rahman Jamal, National Instruments
	10:00	Networking morning coffee and exhibition
Session 1: Software Integration and Virtualization (Rudi Grave, Elektrotbit Automotive)		
	10:45	Multi-core Design with Powertrain/ADAS SW and Future Challenges of Highly Self-Driven Vehicles by Takeshi Fukuda, Hitachi Automotive Systems Europe GmbH
	11:30	Logical Execution Time Implementation in Classic AUTOSAR by Ralf Mader, Continental Automotive GmbH
	12:15	Challenges of migration automotive event-triggered systems to LET paradigm by Erjola Lalo, Timing-Architects/Vector Informatik GmbH
	13:00	Networking luncheon and exhibition
Session 2: Timing Design and Verification (Dr. Michael Deubzer, Timing-Architects/Vector Informatik GmbH)		
	14:30	A systematic approach for timing requirements by Peter Gliwa, Gliwa GmbH
	15:15	Influence of Memory Management on Performance and Real-Time Capability of Embedded Multi-core Microcontrollers by Philipp Jungklaß, IAV GmbH
	16:00	Networking afternoon coffee and exhibition
	16:15	Automatic verification of safety criterias for ASIL D basic software by Frank Krämer, Altium and Roman Iseler, Elektrotbit Automotive
	17:00	Closing remarks by Erol Simsek, CEO, iSYSTEM AG
	17:30	Evening Event: BBQ After a long but very exciting day with, as we hope, a totally new perspective of your challenges, we invite you for a networking BBQ right on the outer space of the conference hotel.

Conference Day 2 – Wednesday 27th of June 2018

	08:30	Morning coffee
	08:55	Short welcoming and overview of the day by Erol Simsek, CEO, iSYSTEM AG
	09:00	Keynote speech: Performance meets safety and security - future automotive SoC trends by Jon Taylor, ARM
Session 3: Adaptive and more (Georg Huba, Infineon AG)		
	09:45	Scheduling Chains of Activities on Linux-based Multi-core Systems by Dr. Vladimir Nikolov, BMW Car IT GmbH
	10:30	Networking morning coffee and exhibition
	10:45	Central Vehicle Computer: Achieving freedom from interference by temporal software separation by Christopher Schwager, ITK Engineering GmbH
	11:30	Taming the Beast: Mastering Security and Resource Sharing in future HPC-platforms by Dr. Kai Lamka, Elektrotbit Automotive
	12:15	AUTOSAR MCAL Support for Multi-core: a pragmatic and performant solution by Gerhard Wirrer and Varun Kumar, Infineon AG
	13:00	Networking luncheon and exhibition
Session 4: What's next? (Armin Stingl, iSYSTEM AG)		
	14:30	The Aramis Project Initiative - Multi-core Systems in Safety- and Mixed-Critical Applications by Prof. Dr.-Ing. Dr.h.c. Becker, Karlsruhe Institute of Technology
	15:15	Manycore Processor for Next Generation Intelligent Vehicles by Nicolas Brunie, Kalray S.A.
	16:00	Challenges for the runtime performance of artificial intelligence- based systems in future automotive controller networks by Umut Ibikas, Stefan Voget and Mateusz Majer, Continental Automotive GmbH
	16:45	Closing remarks by Erol Simsek, CEO, iSYSTEM AG
	17:00	Networking afternoon coffee and soccer world cup

Come and meet the experts on multi-core development!
If you have further question, do not hesitated to contact us.
We are happy to answer your questions and also finalize your booking.

Contact:

Your EMCC Team

Email: info@multicore-conference.com

Register: www.multicore-conference.com