

AGENDA



What's in it for you?

- Software Integration on Parallel Real-Time Systems
- SoC- / Mixed AUTOSAR CP/AP- Systems
- DevOps & Continuous Integration for Collaborative Development
- Vehicle Operating System Architectures
- Great Examples of Practical Applications

... and share your experience with the attending partners and experts to master these „automotive“ challenges during numerous breaks and an evening networking event.

Companies you will meet:

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|-------------|-----------------|----------------|----------------------|
| ▪ AWS | ▪ iSYSTEM | ▪ Micronova | ▪ Valeo |
| ▪ Bosch | ▪ KIT | ▪ Swift Act | ▪ Vector |
| ▪ Capgemini | ▪ Lauterbach | ▪ Tasking | ▪ Volkswagen |
| ▪ Gliwa | ▪ Mercedes-Benz | ▪ trinnovative | ▪ ZF Friedrichshafen |

Keynote Speaker:

Keynote Day 1:

Keynote Speech: Automotive Systems-Engineering – 1 Expression, n Meanings

11th of October, 09:15 – 10:15

by Prof. Eric Sax (KIT)

In Collaboration of



AGENDA



Conference Day 1 – Tuesday 11th of October 2022

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| | 08:15 | Registration and Welcome Coffee |
| | 09:00 | Welcoming and Opening Remarks of the EMCC 2022 by Sabrina Kisslinger (iSYSTEM) and Dr. Michael Deubzer (Vector) |
| | 09:15 | Keynote Speech: Automotive Systems-Engineering – 1 Expression, n Meanings by Prof. Eric Sax (KIT) |
| | 10:15 | Networking Morning Coffee and Exhibition |
| Session 1: Software Integration on Parallel Real-Time Systems | | |
| | 10:45 | Continuous Virtual Integration of Distributed Body&Comfort-E/ E-Systems Based on AUTOSAR by Dr. Thomas Ringler (Mercedes-Benz) |
| | 11:30 | Efficient and Safe Calculations in Heterogenous Multi-Core Environments by Rudolf Grave (Tasking) |
| | 12:15 | Why We Need a New Worst-Case Timing Approach for Automotive by Peter Gliwa (Gliwa) |
| | 13:00 | Networking Lunch and Exhibition |
| Session 2: SoC / Mixed AUTOSAR CP/AP-Systems | | |
| | 14:30 | Classical AUTOSAR Integration with ROS 2 by Ali Amr (Swift Act) |
| | 15:15 | Design and Verification of a Dynamic Architecture at a Logical Level by Frieder Heckmann (Valeo) |
| | 16:00 | Networking Afternoon Coffee and Exhibition |
| | 16:15 | Automotive Middleware for ADAS and AD Systems by Dr. Stjepan Dujmovic (Bosch) |
| | 17:00 | Closing day 1 by Sabrina Kisslinger (iSYSTEM) and Dr. Michael Deubzer (Vector) |
| | 18:00 | Evening Event: Casino Night After a long but very exciting day with, as we hope, a totally new perspective of your challenges, we invite you for a networking dinner. |

Conference Day 2 – Wednesday 12th of October 2022

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| | 08:30 | Morning Coffee |
| | 08:45 | Short Welcoming and Overview of the Day by Sabrina Kisslinger (iSYSTEM) and Dr. Michael Deubzer (Vector) |
| Session 3: DevOps & Continuous Integration for Collaborative Development | | |
| | 08:50 | Enabling DevOps with Hardware Parity between Vehicle and Cloud by Dr. Alexander Lenk (AWS) |
| | 09:30 | The need for Industrialized Software Engineering by Jorge Lopes (Cappgemini) |
| | 10:15 | Networking Morning Coffee and Exhibition |
| | 10:45 | Towards Data Driven Usability Engineering in an Automotive Software Factory by Dr. Johann Schenk (trinnovative) and Dr. Valentin Lohmüller (Vector) |
| Session 4: Examples of Practical Applications | | |
| | 11:30 | Debug of a timing-based race condition using an embedded debugger toolchain and a timed virtual ECU model by Dr. Robert Evert (MicroNova) and Dr. Matthias Glück (Volkswagen) |
| | 12:15 | Networking Lunch and Exhibition |
| | 13:15 | Timing Analysis in AUTOSAR Environments by Rudolf Dienstbeck (AUTOSAR Consortium) |
| | 14:00 | Multi-Threading - Fork-Join - in Automotive Real-Time Applications by Benjamin Schatz (ZF) |
| | 14:45 | Closing Day 2 by Sabrina Kisslinger (iSYSTEM) and Dr. Michael Deubzer (Vector) |
| | Wifi: EMCC 2022 . Password: Stuttgart | |

Come and meet the experts of Automotive Software! If you have further question, do not hesitate to contact us. We are happy to answer your questions and finalize your booking.

Contact:

Your EMCC Team

Email: emcc2022@isystem.com

Register: www.emcc-conference.com