

# SystemC AMS & COSEDA User Group Meeting Program 2023

**Date:** Wednesday, December 6<sup>th</sup> to Thursday, December 7<sup>th</sup> 2023

**Location:** This year's meeting will take place as an online event

## First Day: Wednesday, December 6<sup>th</sup> 2023

### Session 1

- 13:00 – 13:20 **Welcome Speech & COSEDA Technologies 10<sup>th</sup> Anniversary Update**  
*Thomas Hartung, COSEDA Technologies GmbH*
- 13:20 – 13:50 **What`s new in COSIDE® 3.2 & Forecast for 2024**  
*Karsten Einwich, COSEDA Technologies GmbH*
- 13:50 – 14:30 **Keynote: “The Evolution of SystemC AMS”**  
*Martin Barnasconi, NXP, Accellera Board Member, SystemC AMS Working Group Chair*

### Session 2

- 15:00 – 15:20 **New Waveform Viewer Capabilities to Enable a Wider Range of Applications**  
*Paul Ehrlich, COSEDA Technologies GmbH*
- 15:20 – 15:40 **High-level Design and Verification in C++/SystemC with the COSIDE® Environment**  
*Werner Bachhuber, Siemens Electronic Design Automation GmbH*
- 15:40 – 16:10 **Integration of Processor Models into COSIDE® - Enhancing SystemC with gem5**  
*Thilo Voertler, COSEDA Technologies GmbH*
- 16:10 – 16:40 **Fast Virtual Platforms for Scalable Software Verification**  
*Lukas Juenger, MachineWare GmbH*

### Session 3

- 17:00 – 17:30 **VirtualGTM with COSIDE® – Opportunities & Benefits**  
*Juergen Hanisch, Robert Bosch GmbH*
- 17:30 – 18:00 **Host Compiled Software Modelling with the BOSCH GTM**  
*Karsten Einwich, COSEDA Technologies GmbH*

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## Second Day: Thursday, December 7<sup>th</sup> 2023

### Session 4

- 09:00 – 09:30 **COSEDA Technologies – Delivering Unique Value in a Rapidly Changing Market**  
*Ellie Burns, COSEDA Technologies GmbH*
- 09:30 – 10:00 **Increasing Productivity in the Lab by Virtual Testing – POC with NI PXIe Instruments in SystemC AMS**  
*Paul Ehrlich, COSEDA Technologies GmbH*
- 10:00 – 10:30 **A Novel Virtual Prototyping Methodology for Timing-Accurate Simulation of AMS Circuits**  
*Teo Vallone, Infineon Technologies*

### Session 5

- 11:00 – 11:30 **Interactive Simulation Capabilities with COSIDE®**  
*Thomas Arndt, COSEDA Technologies GmbH*
- 11:30 – 11:50 **Inside COSIDE®: Language Server Protocol Integration for Future-Proof Modelling in COSIDE®**  
*Dominic Scharfe, COSEDA Technologies GmbH*
- 11:50 – 12:10 **Towards Checkpointing for SystemC/SystemC AMS - Requirements & Challenges**  
*Muhammad Hassan, German Research Center for Artificial Intelligence (DFKI)*
- 12:10 – 12:40 **SystemC/SystemC AMS Model Profiling**  
*Karsten Einwich, COSEDA Technologies GmbH*
- 12:40 – 13:00 **Wrap-up & Farewell**