

SystemC AMS & COSEDA User Group Meeting Program 2022

Date: Thursday, November 24th to Friday, November 25th 2022

Location: This year's meeting will take place in Dresden as well as an online event

First Day: Thursday, November 24th 2022

Session 1

13:00 – 13:15 **Welcome Speech & COSEDA Technologies Update**

Thomas Hartung, COSEDA Technologies GmbH

13:15 – 13:45 **What's new in COSIDE® 3.1 & Forecast for 2023**

Karsten Einwich, COSEDA Technologies GmbH

13:45 – 14:15 **Closing the Gap between Requirement Management and System Design using the COSIDE® Jama Integration**

Hayri Verner Hasou, Infineon Technologies

Session 2

15:00 – 15:30 **Virtual Prototyping in SystemC AMS for Validation of Tight Sensor/Firmware Interaction in Smart Sensors**

Alexandra Kuester, Bosch Sensortec GmbH

15:30 – 16:00 **Using Triggered SystemC AMS AC Analysis for Run-Time Parameter Extraction**

Peter Alfred Friessnegger, Infineon Technologies Austria AG

16:00 – 16:30 **COSIDE® Regressiontestsuite**

Thomas Arndt, COSEDA Technologies GmbH

Session 3

17:00 – 17:30 **RTL to Software Model using COSIDE® and SystemC**

*Ashot Hambarzumyan, NASA Jet Propulsion Laboratory
(California Institute of Technology)*

17:30 – 18:00 **Bringing PVT (process, voltage, temperature) Variations from Circuit Models into COSIDE® System Models**

Sören Kwasigroch, TU Kaiserslautern (Chair of Cyber-Physical Systems)

18:30 – 21:00 User Group Meeting Dinner at Vault Restaurant Sophienkeller (Taschenbergpalais) in Dresden

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Second Day: Friday, November 25th 2022

Session 4

- 09:00 – 09:30 **SystemC AMS & COSEDA User Group Meeting Presentation**
Not yet finally confirmed
- 09:30 – 10:00 **ARM Performance Model Integration**
Thilo Voertler, COSEDA Technologies GmbH
- 10:00 – 10:30 **COSIDE® as Key Enabler to Introduce IEEE1666.1 SystemC AMS in Education with Focus on Chip Design at FH Kaernten**
Wolfgang Scherr, Carinthia University of Applied Sciences (FH Kaernten)

Session 5

- 11:00 – 11:30 **Modeling the Automatic Gain Control Loop for DAB Radio**
Karl Sturm, NXP Semiconductors
- 11:30 – 12:00 **SystemC AMS & COSEDA User Group Meeting Presentation**
Not yet finally confirmed
- 12:00 – 12:30 **Wrap-up & Farewell**