

5th AutomationML User Conference

Make AutomationML Yours!

Topics of the Conference



- Success Stories:
 - Application of AutomationML in various application scenarios
- Visions:
 - AutomationML based business models
 - Supporting various data exchange scenarios
- Guidelines:
 - Implementation of Workflows
 - Supporting the Entire Engineering Process of Production Systems
- New developments:
 - Integrating industrial standards
 - Covering new data models

Listen to Speakers from Various Companies and Institutions



ABB • Airbus • Balluff GmbH • CENIT AG • CMC Engineers GmbH • Daimler AG • Daimler protics • evosoft GmbH • fortiss GmbH • Fraunhofer IOSB • Helmut Schmidt Universität Hamburg • HS Albstatt-Sigmaringen • HS Pforzheim • ifak • Loccioni – AEA srl • OvgU Magdeburg • Ruhr-Universität Bochum • Siemens AG • Statoil • tarakos GmbH • TU Wien

Date, Location, and Host



**From October 24th to
October 25th, 2018**

in Gothenburg, Sweden
at ABB AB

Host: Arndt Lüder, *Otto-von-Guericke-University Magdeburg*

Wednesday – October 24th, 2018

08.00 to 09.00 **Registration**

09.00 to 09.15 **WELCOME**

09.15 to 10.00 **KEYNOTE**
Why do Statoil want to see Object Oriented Information Exchange in a Standard Format
Idar Pe Ingebrigtsen, *Statoil*

10.00 to 10.30 **Success Story**
Introducing AutomationML in a Heterogeneous Software Tool Landscape
Joachim Burlein, *Daimler AG*
Matthias Rassel, *Daimler protics*

Coffee Break

Session 1: Make AutomationML yours in a heterogeneous tool-landscape!

11.00 to 11.30 **Implementing Reference APIs for AutomationML – A Java Based Walkthrough**
Ronald Rosendahl, *Otto von Guericke University Magdeburg*

11.30 to 12.00 **Achieving Interoperability in a Heterogeneous World via Semantic Mappings**
Dr. Prerna Bihani, *ABB*

12.00 to 12.30 **Business Oriented Robot Off-Line Programming Solution Using AutomationML**
Dr. Sylvain Blanvillain, *Airbus*
Nikolai D'Agostino, *CENTI AG*
Ph.D. Daniele Massa, *Loccioni – AEA srl*

12.30 to 13.00 **Connecting engineering tools for planning, visualization and simulation of material handling systems using AutomationML**
Klaus Hanisch, *tarakos GmbH*

Lunch Break

**Session 2: Make AutomationML yours in
the "Industrie 4.0"!**

- 14.00 to 14.30 **Collaboration of Tools for Production System Planning and PLC Programming by Using AutomationML**
Mario Thron, *ifak e.V. Magdeburg*
- 14.30 to 15.00 **Potential Usage of AutomationML to Feed Back Data from the Shop Floor into Digital Planning Model**
Aranya Sarkar, *Helmut-Schmidt-Universität Hamburg*
Sven Vagt, *Helmut-Schmidt-Universität Hamburg*
- 15.00 to 15.30 **AutomationML describing components for virtual commissioning**
Dr. Wolfgang Schloegl, *Siemens AG*
- 15.30 to 16.00 **AutomationML in a Continuous Products Life Cycle: A Technical Implementation of RAMI 4.0**
Markus Kiesel, *HS Albstadt-Sigmaringen*

Coffee Break

**Session 3: We made
AutomationML ours!**

- 16.30 to 17.00 **How AutomationML can Help to Present Products**
Julian Hermle, *CMC Engineers GmbH*
- 17.00 to 17:30 **Enabling Digital Business with an AutomationML Connectivity Hub**
Dr. Florian Himmler, *evosoft GmbH*
- 17:30 to 18:00 **AutomationML as Single Source of Truth in a Smart Factory**
Dr. Ljiljana Stojanovic, *Fraunhofer IOSB*

DINNER

- 19.00 **Bus Transfer from ABB to Dinner Location / Conference Hotel**

Thursday – October 25th, 2018

Session 4: Make AutomationML yours, integrate Standards!

- 09:00 to 09:30 **IEC 62264-2 for AutomationML**
Bernhard Wally, *TU Wien*
- 09:30 to 10:00 **AutomationML in the Oil & Gas Industry - Digitalization of the IEC 63131 standard**
Prof. Dr. Rainer Drath, *HS Pforzheim*
- 10:00 to 10:30 **Vendor-Independent Modeling and Exchange of Fieldbus Topologies with AutomationML**
Markus Rentschler, *Balluff GmbH*

Coffee Break

Session 5: Make AutomationML yours in research projects!

- 11:00 to 11:30 **Migration towards AutomationML-based Tool Chains**
Prof. Dr. Arndt Lüder, *Otto von Guericke University Magdeburg*
- 11:30 to 12:00 **Cloud-based Integration of Robot Engineering Data Using AutomationML**
Pablo Rodriguez, *ABB*
- 12:00 to 12:30 **Using AutomationML to Describe the Dynamic Behavior of a Production System**
Jannis Stecken, *Ruhr-Universität Bochum*
- 12:30 to 13:00 **AutomationML-based Mechatronic Models as Enabler of Automation Systems Engineering: Tool suite and Workflow**
Milan Vathoopan, *fortiss GmbH*
- 13:00 **GOODBYE**

Lunch Break

- 14:00 to 16:00 **PLANT TOUR**