

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 Rassl, *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. Perna 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"!**

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

Coffee Break

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

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

DINNER

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| 19.00 | Bus Transfer from ABB to Dinner Location / Conference Hotel |
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Thursday – October 25th, 2018

Session 4: Make AutomationML yours, integrate Standards!	09:00 to 09:30	IEC 62264-2 for AutomationML Bernhard Wally, <i>TU Wien</i>
	09:30 to 10:00	AutomationML in the Oil & Gas Industry - Digitalization of the IEC 63131 standard Prof. Dr. Rainer Drath, <i>HS Pforzheim</i>
	10:00 to 10:30	Vendor-Independent Modeling and Exchange of Fieldbus Topologies with AutomationML Markus Rentschler, <i>Balluff GmbH</i>

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

Lunch Break

14.00 to
16.00 **PLANT TOUR**