

## 5<sup>th</sup> 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 • CMC Engineers GmbH • Daimler protics • Evosoft • Fortiss GmbH • Fraunhofer IOSB • Helmut Schmidt Universität Hamburg • HS Albsig • HS Pforzheim • ifak • OvgU Magdeburg • Siemens AG • Statoil • tarakos GmbH • TU Wien • Uni Bochum**

### Date, Location, and Host



**From October 24<sup>th</sup> to October 25<sup>th</sup>, 2018**

in Gothenburg, Sweden  
at ABB AB

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

## Wednesday – October 24<sup>th</sup>, 2018

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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**  
Mathias Rassl, *Daimler protics*

Coffee Break

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

11.00 to 11:30 **Achieving Interoperability in a Heterogeneous World via Semantic Mappings**  
Perna Bihani, *ABB*

11.30 to 12.00 **Business Oriented Robot Off-Line Programming Solution Using AutomationML**  
Sylvain Blanvillain, *Airbus*

12.00 to 12.30 **Connecting Different Behavior Models by Using AutomationML**  
Klaus Hanisch, *tarakos GmbH*

12.30 to 13.00 **Future Applications and Possible Enhancements of AutomationML**  
Wolfgang Schloegl, *Siemens AG*

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 Sarkara, *Helmut-Schmidt-Universität Hamburg*
- 15.00 to 15.30 **AutomationML and the „Industrie 4.0“ Component**  
Christian Diedrich, *Otto von Guericke University Magdeburg*
- 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**  
Florian Himmeler, *evosoft GmbH*
- 17:30 to 18:00 **AutomationML as Single Source of Truth in a Smart Factory**  
Robert Henßen, *Fraunhofer IOSB*

**DINNER**

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

## Thursday – October 25<sup>th</sup>, 2018

<b>Session 4: Make AutomationML yours, integrate Standards!</b>	09:00 to 09:30	<b>IEC 62264-2 for AutomationML</b> Bernhard Wally, <i>TU Wien</i>
	09:30 to 10:00	<b>AutomationML in the Oil &amp; Gas Industry - Digitalization of the IEC 63131 standard</b> Rainer Drath, <i>HS Pforzheim</i>
	10:00 to 10:30	<b>Vendor-Independent Modeling and Exchange of Fieldbus Topologies with AutomationML</b> Rainer Drath, <i>HS Pforzheim</i>
Coffee Break		
<b>Session 5: Make AutomationML yours in research projects!</b>	11:00 to 11:30	<b>Migration towards AutomationML-based Tool Chains</b> Arndt Lüder, <i>Otto von Guericke University Magdeburg</i>
	11:30 to 12:00	<b>Cloud-based Integration of Robot Engineering Data Using AutomationML</b> Katharina Stark, <i>ABB</i>
	12:00 to 12:30	<b>Using AutomationML to Describe the Dynamic Behavior of a Production System</b> Matthias Bartelt, <i>Ruhr-Universität Bochum</i>
	12:30 to 13:00	<b>AutomationML-based Mechatronic Models as Enabler of Automation Systems Engineering: Tool suite and Workflow</b> Milan Vathoopan, <i>fortiss GmbH</i>
	13:00	<b>GOODBYE</b>
Lunch Break		
	14:00 to 16:00	<b>PLANT TOUR</b>