

4th AutomationML User Conference

Road to *Industrie 4.0*:

AutomationML as Digital Enabler

Topics of the Conference



- Success Stories: Application of AutomationML
 - From Industry
 - From Research
- Visions:
 - Leaving Engineering Phase
 - Leaving Discrete Manufacturing Domain
- Guidelines: Implementation of Workflows
 - On the Edge of Two Engineering Phases
 - Supporting the Entire Engineering Process of Production Systems
- Panel Discussion:
Road to *Industrie 4.0*: AutomationML as Digital Enabler

Listen to Speakers from Various Companies and Institutions



Daimler AG • EPLAN Software & Service GmbH & Co. KG • evosoft GmbH • Festo AG & Co. KG • fortiss GmbH • Fraunhofer IOSB • German Research Center for Artificial Intelligence • Helmut-Schmidt-University • INPRO Innovationsgesellschaft mbH • Karlsruhe Institute of Technology • Otto von Guericke University Magdeburg • SBA Research gGmbH • Siemens AG • tarakos GmbH • TU Vienna

Date and Location



**from October 18th to
October 19th, 2016**

in Esslingen, Germany
at Festo AG & Co. KG

Tuesday – October 18th, 2016

08.00 to 09.00	Registration
09.00 to 09.15	Welcome
09.15 to 10.00	KEYNOTE Rüdiger Fritz, <i>SAP SE</i>
10.00 to 10.30	Introduction: AutomationML within Industrial Applications Arndt Lüder, <i>Otto-von-Guericke-University Magdeburg</i>
Coffee break	
11.00 to 11:30	AutomationML for Model-Driven Software Engineering of Industrial Robotics Yingbing Hua, <i>Karlsruhe Institute of Technology</i>
11.30 to 12.00	Model-Based Engineering from Components to Production Plants using AML Benjamin Brandenbourger, <i>fortiss GmbH</i> Mathias Wiegand, <i>Festo AG & Co. KG</i>
12.00 to 12.30	Collaborative Model Review Support for AutomationML Dietmar Winkler, <i>SBA Research gGmbH, TU Vienna</i> Stefan Biffel, <i>TU Vienna</i>
12.30 to 13.00	The Use of AutomationML in the Engineering of Building Automation Systems Christoph Sieber, <i>Helmut-Schmidt-University</i>
Lunch break	
14.00 to 14.30	Integration of MathML in PLCopen XML Carla Pilz, <i>INPRO Innovationgesellschaft mbH</i>

- 14.30 to 15.00 **Integrated Digitalization with Teamcenter and AutomationML**
 Florian Himmler, *evosoft GmbH*
- 15.00 to 15.30 **Versioning in Multi-Disciplinary Engineering with AML.hub and the VDMA Einheitsblatt 66145**
 Stefan Biffli, *TU Vienna*
 Richard Mordinyi, *TU Vienna*
 Manuel Wimmer, *TU Vienna*
- 15.30 to 16.00 **Consistent Merging of AutomationML Documents in Multiple Sources Scenarios**
 Josef Prinz, *INPRO Innovationsgesellschaft mbH*
- Coffee break
- 16.30 to 17.00 **Automation Project Configuration: Exchange of ECAD Data Between EPLAN P8 and Siemens TIA Portal**
 Thomas Funke, *EPLAN Software & Service GmbH & Co. KG*
 Michael John, *Siemens AG*
- 17.00 to 18.00 **Panel Discussion: Road to Industrie 4.0: AutomationML as Digital Enabler**
 Host: David Humphrey, *ARC Advisory Group*
- 19:00 Dinner

Wednesday – October 19th, 2016

- 09:00 to 09:30 **Practical Application of AutomationML in Engineering Toolchains**
Joachim Burlein, *Daimler AG*
Manuel Paul, *Festo AG & Co. KG*
Dr. Anton Strahilov, *EKS – InTec GmbH*
- 09:30 to 10:00 **Improving the Transition and Modulation of Virtual Commissioning Workflow with AutomationML**
Ender Yemenicioglu, *tarakos GmbH*
- 10:00 to 10:30 **Continuous Data Exchange Between Layout Planning and Simulation Tools**
Ender Yemenicioglu, *tarakos GmbH*
- Coffee break
- 11:00 to 11:30 **AutomationML and OPC UA – Enabling Technologies for PLUGandWORK in a Smart Production**
Miriam Schleipen, *Fraunhofer IOSB*
- 11:30 to 12:00 **Creating a Smart Factory Web Based upon AutomationML**
Kym Watson, *Fraunhofer IOSB*
- 12:00 to 12:30 **Open Semantic Meta-Model as a Cornerstone for the Design, Engineering and Management of CPS-Based Factories**
Stephan Weyer, *German Research Center for Artificial Intelligence*
- 12:30 to 13:00 **Using AutomationML in the Engineering Process: Start Implementing or Keep Waiting?**
Björn Grimm, *Daimler AG*
- 13:00 **Goodbye**
- Lunch break
- 14:00 to 16:00 **Plant Tour**