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 • 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 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

Coffee Break

11.00 to 11.30  Achieving Interoperability in a Heterogeneous World via Semantic Mappings
Prerna 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 engineering tools for planning, visualization and simulation of material handling systems using AutomationML
Klaus Hanisch, tarakos GmbH

12.30 to 13.00  AutomationML describing components for virtual commissioning
Wolfgang Schloegl, Siemens AG

Lunch Break
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<tr>
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<th>Session 2: Make &quot;Industrie 4.0&quot; yours!</th>
<th>Event</th>
<th>Session 3: We made AutomationML ours!</th>
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<tr>
<td>14.00 to 14.30</td>
<td>Collaboration of Tools for Production System Planning and PLC Programming by Using AutomationML</td>
<td>Mario Thron, ifak e.V. Magdeburg</td>
<td>16.30 to 17.00</td>
<td>How AutomationML can Help to Present Products</td>
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<td>14.30 to 15.00</td>
<td>Potential Usage of AutomationML to Feed Back Data from the Shop Floor into Digital Planning Model</td>
<td>Aranya Sarkar, Helmut-Schmidt-Universität Hamburg</td>
<td>17.00 to 17.30</td>
<td>Enabling Digital Business with an AutomationML Connectivity Hub</td>
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<td>15.00 to 15.30</td>
<td>Implementing Reference APIs for AutomationML – A Java Based Walkthrough</td>
<td>Ronald Rosendahl, Otto von Guericke University Magdeburg</td>
<td>17.30 to 18.00</td>
<td>AutomationML as Single Source of Truth in a Smart Factory</td>
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<td>15.30 to 16.00</td>
<td>AutomationML in a Continuous Products Life Cycle: A Technical Implementation of RAMI 4.0</td>
<td>Markus Kiesel, HS Albstadt-Sigmaringen</td>
<td>19.00</td>
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Coffee Break

DINNER

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

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<tr>
<th>Time</th>
<th>Session 4: Make AutomationML yours, integrate Standards!</th>
<th>Session 5: Make AutomationML yours in research projects!</th>
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<td>09:00</td>
<td>IEC 62264-2 for AutomationML</td>
<td>Migration towards AutomationML-based Tool Chains</td>
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<td>09:30</td>
<td>Bernhard Wally, <em>TU Wien</em></td>
<td>Arndt Lüder, <em>Otto von Guericke University Magdeburg</em></td>
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<td>AutomationML in the Oil &amp; Gas Industry - Digitalization of the IEC 63131 standard</td>
<td>Cloud-based Integration of Robot Engineering Data Using AutomationML</td>
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<td>Rainer Drath, <em>HS Pforzheim</em></td>
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<td>Vendor-Independent Modeling and Exchange of Fieldbus Topologies with AutomationML</td>
<td>Using AutomationML to Describe the Dynamic Behavior of a Production System</td>
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<td>Markus Rentschler, <em>Balluff GmbH</em></td>
<td>Jannis Stecken, <em>Ruhr-Universität Bochum</em></td>
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<td>Migration towards AutomationML-based Tool Chains</td>
<td>AutomationML-based Mechatronic Models as Enabler of Automation Systems Engineering: Tool suite and Workflow</td>
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