

Conference Proceedings

KEYNOTE Why do Statoil want to see Object Oriented Information Exchange in a Standard Format; Idar Pe Ingebrigtsen, <i>Statoil</i>	01_Ingebrigtsen_Why-Object-Oriented-Information-Exchange
Implementing Reference APIs for AutomationML – A Java Based Walkthrough; Ronald Rosendahl, <i>Otto von Guericke Univ. Magdeburg</i>	02_Rosendahl_APIs-for-AutomationML
Success Story Introducing AutomationML in a Heterogeneous Software Tool Landscape; Joachim Burlein, <i>Daimler AG</i> ; Matthias Rassl, <i>Daimler protics</i>	03_Burlein-Rassl_AutomationML-Heterogeneous-Software-Tool-Landscape
Achieving Interoperability in a Heterogeneous World via Semantic Mappings; Dr. Prerna Bihani, <i>ABB</i>	04_Bihani_Semantic-Mapping
Business Oriented Robot Off-Line Programming Solution Using AutomationML; Dr. Sylvain Blanvillain, <i>Airbus</i> ; Nikolai D'Agostino, <i>CENTI AG</i> ; Ph.D. Daniele Massa, <i>LOCCIONI – AEA S.R.L</i>	05_Blanvillain-D'Agostino-Massa_Robot-Off-Line-Programming
Collaboration of Tools for Production System Planning and PLC Programming by Using AutomationML; Mario Thron, <i>ifak e.V. Magdeburg</i>	07_Thron_Collaboration-Tool-for-Planning-Programming
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>	08_Sarkar-Vagt_Feedback-Shop-Floor-Data
AutomationML describing components for virtual commissioning; Dr. Wolfgang Schloegl, <i>Siemens AG</i>	09_Schloegl_Components-Virtual-Commissioning
AutomationML in a Continuous Products Life Cycle: A Technical Implementation of RAMI 4.0; Markus Kiesel, <i>HS Albstadt-Sigmaringen</i>	10_Kiesel_Implementation-RAMI
How AutomationML can Help to Present Products; Julian Hermle, <i>CMC Engineers GmbH</i>	11_Hermle_Present-Products
Enabling Digital Business with an AutomationML Connectivity Hub; Dr. Florian Himmler, <i>evosoft GmbH</i>	12_Himmler_Connectivity-Hub
AutomationML as Single Source of Truth in a Smart Factory; Dr. Ljiljana Stojanovic, <i>Fraunhofer IOSB</i>	13_Stojanovic_Smart-Factory
IEC 62264-2 for AutomationML; Bernhard Wally, <i>TU Wien</i>	14_Wally_IEC-62264-2
AutomationML in the Oil & Gas Industry - Digitalization of the IEC 63131 standard; Prof. Dr. Rainer Drath, <i>HS Pforzheim</i>	15_Drath_Oil-Gas-IEC-63131
Vendor-Independent Modeling and Exchange of Fieldbus Topologies with AutomationML; Markus Rentschler, <i>Balluff GmbH</i>	16_Rentschler_Fieldbus-Topologies_
Migration towards AutomationML-based Tool Chains; Prof. Dr. Arndt Lüder, <i>Otto von Guericke Univ. Magdeburg</i>	17_Lueder_Migration-ToolChains
Cloud-based Integration of Robot Engineering Data Using AutomationML; Pablo Rodriguez, <i>ABB</i>	18_Rodriguez_Cloud-Based-Integration
Using AutomationML to Describe the Dynamic Behavior of a Production System; Jannis Stecken, <i>Ruhr-Universität Bochum</i>	19_Stecken_Dynamic-Behaviour-Production-System
AutomationML-based Mechatronic Models as Enabler of Automation Systems Engineering: Tool suite and Workflow; Milan Vathoopan, <i>fortiss GmbH</i>	20_Vathoopan_Mechatronic-Models