

AutomationML PlugFest, Day 1, 14th of October, 2015

9:00-10:00			Reception, presentation of the agenda			Arndt Lüder, Otto-von-Guericke University Magdeburg		
Track 1 – Lecture series						Track 2, 3 – Expert panel A, B		
10:00-12:00		15' presentation + 5' questions				10:00-12:00		In two rooms developers can come together and share their experiences about CAEX, COLLADA, and PLCopen XML.
Start: 10:00		Introduction to the architecture		Rainer Drath, ABBAG		Breaks on the fly	This means in detail:	
Start: 10:20		Data modelling with AutomationML: Understand, structure, and classify data		Björn Grimm, Daimler AG			• Exchange files	
		Break: 35'					• Test interfaces	
							• Solve problems systematically (also together with the AutomationML experts)	
Start: 11:15		Data modelling with AutomationML: Mapping of data into the data exchange format AutomationML		Arndt Lüder, Otto-von-Guericke University Magdeburg		• Discuss		
Start: 11:35		Admission ticket: What does an engineering tool need to have? Criteria for openness		Rainer Drath, ABBAG		• etc.		
12:00		Lunch (Duration: 1h, Where: IOSB lounge at bar tables)						
Track 1 – Guided programming workshop						Track 2, 3 – Expert panel A, B		
13:00-16:45		Introduction to the programming of CAEX, programming with the AutomationML Engine 3.1		Rainer Drath, ABBAG, Josef Prinz, inpro mbH		13:00-18:00		Continuation of CAEX, COLLADA, and PLCopen XML discussions.
		Breaks on the fly				Breaks on the fly		
Track 1 – Success stories								
16:45-18:00		10' presentation						
Start: 16:45		Smart Engineering Production 4.0 – AML in use as digital production description resp. as virtual prototype		Olaf Graeser, Phoenix Contact GmbH & Co. KG				
Start: 16:55		Secure Plug & Work		Miriam Schleipen, Fraunhofer IOSB				
Start: 17:05		MoMo – Mobile Monitoring and smart data analysis based on open standards		Miriam Schleipen, Fraunhofer IOSB				
Start: 17:15		PCFF (Plug&Control for flexible material handling)		Michael Okon, Robert Henßen, Fraunhofer IOSB				
Start: 17:25		Implementation of an AML interface in AVANTI project		Ender Yemenicioglu, tarakos GmbH				
Start: 17:35		Engineering data management with the AML Hub		Stefan Biffel, TU Wien				
Start: 17:45		Engineering data management with the NAMUR Container		Rainer Drath, ABBAG				
19:00		Dinner (Until: 23:00, Where: Brauhaus 2.0)						
2 Rooms! Purpose: Developers, which want to program or exchange files, meet up here. Dependent on the developers AML experts show up from time to time.								

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AutomationML PlugFest, Day 2, 15th of October, 2015

Track 1 – Lecture series			Track 2, 3 - Expert panel A, B		
09:00-11:00	15' presentation + 5' questions		09:00-15:00	In two rooms developers can come together and share their experiences about CAEX, COLLADA, and PLCopen XML. This means in detail: <ul style="list-style-type: none">• Exchange files• Test interfaces• Solve problems systematically (also together with the AutomationML experts)• Discuss• etc.	
Start: 09:00	Plugin development for the AML Editor	Josef Prinz, <i>inpro mbH</i>			
Start: 09:20	Creation of COLLADA files	Ender Yemenicioglu, <i>tarakos GmbH</i>			
Start: 09:40	Presentation and programming with a Java Engine	Ronald Rosendahl, <i>Otto-von-Guericke University Magdeburg</i>			
	Break: 20'				
Start: 10:20	Dealing with semantics in a heterogenous tool landscape	Rainer Drath, <i>ABB AG</i>			
Start: 10:40	Example: Creation of a role class library for material handling	Ender Yemenicioglu, <i>tarakos GmbH</i>			
Track 1 – Guided programming workshop			<div>2 Rooms!</div> <div>Purpose: Developers, which want to program or exchange files, meet up here.</div> <div>Dependent on the developers AML experts show up from time to time.</div>		
11:00-15:00	Continuation of the guided programming of Day 1	Rainer Drath, <i>ABB AG</i> , Josef Prinz, <i>inpro mbH</i>			
Breaks on the fly					
12:00 Lunch (Duration: 1h, Where: IOSB lounge at bar tables)			Track 4 – Interactive lectures		
Breaks on the fly			11:00-15:00	~15' presentation + ~30' exercise	
			Start: 11:00	Modelling and consistency check of multi-variant AML models with Eclipse	Sven Kägebein, <i>inpro mbH</i>
			Start: 13:00	AutomationML Hub – Round-Trip Engineering in AutomationML Projects	Stefan Biffl, Richard Mordinyi, Stefan Scheiber, <i>TU Wien</i>
			Start: 13:40	AutomationML Models (in EMF and EA) for Modelers & Software Developers	Emanuel Mätzler, Manuel Wimmer, <i>TU Wien</i>
Breaks on the fly			Start: 14:20	AutomationML Analyzer: Flexible Navigation in and Querying of an AML Model and External Data	Fajar Ekaputra, Olga Kovalenko, Marta Sabou, <i>TU Wien</i>
			<div>2 rooms!</div> <div>Purpose: Developers, which want to program or exchange files, meet up here.</div> <div>Dependent on the developers AML experts show up from time to time.</div>		
15:00-16:00	Discussion, feedback, conclusion		Arndt Lüder, Otto-von-Guericke University Magdeburg		