2019 Plant Simulation Worldwide User Conference
Realize LIVE For Simulation

SIEMENS
Ingenuity for life

October 16th 2019

	Room Stuttgart	Room Karlsruhe
8:00	**Registration starts**	
9:00	**Opening and Welcome** Matthias Heinicke Siemens Digital Industries	
9:30	**Plant Simulation Version 15 and Roadmap 16** Dr. Georg Piepenbrock Siemens Digital Industries	
11:00	Coffee Break	
11:15	**Rolex SA usecase: Modelling manual assembly lines in the watchmaking industry** Damiano Arena Rolex SA	**Plant Simulation project for wagon building optimization at Ideal PLM in Russia** Anastasiya Pershina Ideal PLM, Russia
11:45	**Optimization of manufacturing and logistics processes with the use of digital factory tools and Plant Simulation** Silvia Furtáková CEIT, (Central European Institute of Technology, Žilina, Slovakia)	**Plant Simulation use case at EMAG: 3D material flow simulation in the metal manufacturing industry** Zhaocheng Xu EMAG GmbH & Co. KG
12:15	**Control the material flow sequence in Plant Simulation according a schedule generated in Preactor** Marc Philip Hermans Audi Hungaria Zrt. & GraphIT	**Plant Simulation VR, virtual reality factory visualization, collaboration and control with HTC Vive and Co.** Eduard Kinas, CEO more3D GmbH & Co. KG
12:45	Lunch Break	
14:00	**Digitalization journey: How Electrolux is using Plant Simulation to develop smarter manufacturing facilities and what's next** Ivan Braga Electrolux Home Products	**Simulation of a Large-Scale Storage System for Laser Cutting Machinery** Tiago Vacaro Randon Implementos

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14:30	**Digital twin of a body shop containing robots and human workers in Plant Simulation at Magna Steyr Fahrzeugtechnik (MSF)** Steffen Bangsow steffen bangsow advanced simulation services	**A Hands-on Approach for Educating Engineers with Plant Simulation** Professor Dr. Robert Van Til Oakland University
15:00	**Plant Simulation in the Glass manufacturing industry and integration of XHQ, improving enterprise performance through operations intelligence solutions** Heinz-Josef Lennartz Siemens AG, Germany	**Internet of Things: Connecting MindSphere with Plant Simulation** Dr.-Ing. Ender Yemenicioglu inpro GmbH
15:30	Coffee Break	
16:00	**Simulation of Vessel Traffic in Ports using Plant Simulation** Carsten Eckert HPC Hamburg Port Consulting GmbH	**Testing real Warehouse Management Software (WMS) with Plant Simulation using the OPC Interface. Use case for Pesmel, Finland and cards PLM Solutions Warehousing and Logistics Library** Auke Nieuwenhuis cards PLM Solutions B.V.
16:30	**Simulations for automobile seaport terminals – challenges and potentials** Michael Goerges BLG Logistics Group AG & Co. KG	**Optimize performance measures in semi-automated human centered assembly cells, using CAD data developed in NX Line Designer and Tecnomatix Process Simulate** Ali Ahmad Malik University of Southern Denmark
17:00	**Making 4D layout design tangible: Use cases of the edddison hareware UI** Thomas Kienzl edddison technologies OG Austria	**Comparison of AGVS control algorithms for in-plant milk-run systems solving the vehicle routing problem** Christian Lieb Technical University of Munich (TUM)
18:00	**Dinner Holiday Inn**	
22:00	End	

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9:00	**Registration starts**		
9:30	**Large scale 3D Plant Simulation models used at SSI Schaefer in intralogistics - lessons learned** Lars-Boris Böttcher SSI Schäfer Automation GmbH	**Teamcenter Manufacturing – Plant Simulation Teamcenter Wizard and more** Ralph Bauknecht Siemens Digital Industries	**A short introduction to the Experiment Manager and its recent extensions** Dr. Peter-Michael Schmidt Siemens Digital Industries
10:15	**PPI-Informatik: Plant Simulation scheduling use cases in the Consumer-Packaged Goods Industry** Stefan Pfaff PPI-Informatik	**Routing of movable units: Finding the best route across conveyor networks, including workers carrying parts** Michael Joos Siemens Digital Industries	**New freely driving AGVs, live demo** Ralf Tobel Siemens Digital Industries
11:00	Coffee Break		
11:15	**Modeling of worker impacts in automated body shop lines (approach and findings)** Steffen Bangsow steffen bangsow advanced simulation services	**Cost Simulation in Plant Simulation Version 15** Timo Staudenmaier Siemens Digital Industries	**Economical evaluation of CFRP-process chains using Plant Simulation** Thomas Neuhaeuser Fraunhofer IGCV
12:00	**Workshop(!) App based Value Stream Simulation in a Cloud Solution based on the Plant Simulation VSM Library** Stephan Stauber SimPlan AG	**Virtual Commissioning; Test real PLC Code against a Plant Simulation model** Dr. Georg Piepenbrock Siemens Digital Industries	**Efficient SimTalk Programming and Debugging** Michael Joos Siemens Digital Industries
12:45	Lunch Break		

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14:00	**Plant Simulation: Management of Material and Worker - First practical Results** Dr. Thomas Stoffel Siemens AG	**Modeling in 3D** Ralph Bauknecht Siemens Digital Industries	**Effective use of Custom-Built Class Libraries for Flexible and Automated Model Build and Verification** Dr. Matthew Gilbert MTC Limited, UK
14:45	**Digital Factory Planning for Additive Manufacturing in the automotive industry** Niklas Natterer Siemens AG	**Smart Plant Design with Plant Simulation and HEEDS** Dr. Daniel Klein Siemens Digital Industries	**Digital Twin of a building components manufacturing – the results of the EU Research Project "Optimised"** Dirk Wortmann SimPlan AG
15:30	Coffee Break		
16:00	**Wire harness manufacturing using Tecnomatix Plant Simulation** Pavel Nosek Siemens Industry Software, s.r.o.	**Mechatronics Concept Designer** Viktor Braun Siemens Digital Industries	**Analysis of complex power & free conveyor system using Tecnomatix Plant Simulation** Harshkumar Dadhaniya Shigeo Solutions
16:45		**3D Simulation of next-gen autonomous vehicles in mixed-traffic container terminals** Berry Gerrits Distribute Netherlands	
17:30	**Q&A**	Question and Answers Plant Simulation Team	
18:00	End	Siemens Digital Industries	