

2023 Plant Simulation User Conference

MUNICH, GERMANY, JULY 13TH 2023, INFINITY HOTEL

2023 PLANT SIMULATION USER CONFERENCE

8:00 AM Registration Opens

9:00 AM	What's New in Plant Simulation Dr. Georg Piepenbrock Plant Simulation Product Manager Siemens Digital Industries Software	
10:30 AM	Coffee break	
11:00 AM	How to convince experts to use standards: The development of a standard library for production systems Carsten Meyer Tobias Lechler Robert Bosch GmbH	Utilizing a simulation model to build a Digital Twin of the production system Won Seo LG Electronics' Production Engineering Research Institute PRI Republic of Korea

Unrestricted

11:20 AM	<p>Integration of workers into digital twins of production at Magna Steyr Fahrzeugtechnik</p> <p>Steffen Bangsow, advanced simulation services</p> <p>Manuel Stani, Magna Steyr Fahrzeugtechnik</p>	<p>First challenge of Plant Simulation x SIMOVE</p> <p>Hiroataka Saitoh</p> <p>Yosuke Hiruma</p> <p>Honda Motor, Japan</p>
11:40 AM	<p>Unlocking efficiency potentials with virtual commissioning of driverless transport systems using Plant Simulation</p> <p>Dr. Franziska Schloz</p> <p>Katharina Grimm</p> <p>MHP - A Porsche Company</p>	<p>Plant Simulation in tobacco production planning and scheduling</p> <p>Dr. Tao Yifei</p> <p>Yes Mas</p> <p>KUST China</p>
12:00 PM	<p>VDA5050 based AGV communication utilizing MQTT</p> <p>Philipp von Braunschweig, Volkswagen AG</p> <p>Joseph Humbert, Siemens Digital Industries Software</p>	<p>Advanced virtual reality with Plant Simulation: How and why.</p> <p>Stefan Koch</p> <p>Gottfried Roosen</p> <p>more3D</p>
12:20 PM	<p>Lunch</p>	
1:30 PM	<p>Introduction to the Cranes and More library</p> <p>Igor Kunjavskij</p> <p>Siemens Digital Industries Software</p>	<p>Taking advantage of Plant Simulation in Industry 4.0</p> <p>Juan Cano</p> <p>Gestamp, Spain</p>
1:50 PM	<p>Introduction to the High Bay Warehouse library</p> <p>Igor Kunjavskij</p> <p>Siemens Digital Industries Software</p>	<p>Dynamic modelling at the Siemens electronics equipment plant in Erlangen: Dynamic Plant Simulation model generation including AGV simulation based on grid blocks</p> <p>Lars Schreiber</p> <p>Siemens AG</p>

2:10 PM	<p>Considerably lowering energy consumption while maintaining throughput capacity</p> <p>DI Dr. Björn Kraiger HATEC Automatisationsges.mbH Austria</p>	<p>The power of combining the real and digital world – how to achieve scale with Plant Simulation in Siemens factories</p> <p>Natalie Vollmer Lars Schreiber Siemens AG</p>
2:30 PM	<p>Energetic considerations and optimization in material flow simulation</p> <p>Xinyi Xie, Marc Münnich Fraunhofer Institute for Machine Tools and Forming Technology IWU Factory system design and production planning</p>	<p>When you like to remote control your simulation; - Possible scenarios and related interfaces for simulation and emulation</p> <p>Janine Gehring Natalja Rube Fraunhofer Research factory battery cell FFB</p>
2:50 PM	<p>Coffee break</p>	
3:30 PM	<p>Receding Horizon Planner Optimization</p> <p>Dr. Karl Ludwig Fetzer Siemens Technology Princeton, NJ, USA</p>	<p>Manufacturing & MRO; Digital Twin for Process Optimization using Plant Simulation & Mendix</p> <p>James W. Hill Chief Executive Officer Aging Aircraft Solutions</p>
3:50 PM	<p>Shipbuilding and more: The STS Library for Plant Simulation</p> <p>Dirk Steinhauer SimPlan AG</p>	<p>Optimize my plant - Turn any Plant Simulation model into an app!</p> <p>Guillaume Cordonatto Olivier Schmid Siemens Digital Industries Software France</p>
4:10 PM	<p>Coffee break</p>	

<p>4:40 PM</p>	<p>Simulation of the Siemens Lieferzentrum Nurnberg (LZN); Modeling and analyzing a large-scale distribution center</p> <p>Oliver Wilke Fabian Dorner Siemens AG</p>	<p>Look before you leap – Projects can look simple to model at first sight but end up being complex to model</p> <p>Ray Poshadlo PMC USA</p>
<p>5:00 PM</p>	<p>Generic simulation platform: Flexible modelling based on a modular simulation framework</p> <p>Wolfgang Yorck von Wartenburg Helbling Technik AG Schweiz</p>	<p>Revolutionizing railway operations: Plant Simulation model for the railway research institute VUZ</p> <p>SDZ GmbH Jiří Hloska Czech Republic</p>
<p>5:20 PM</p>	<p>Q&A</p> <p>Dr. Ulrich Rossgoderer Dr. Georg Piepenbrock Ralf Tobel Matthias Heinicke</p>	
<p>6:00 PM</p>		