



**2023 PDA Robotics & Automation Conference**  
**A Roadmap to Digitalization Designed for Drug Manufacturing**  
**Amsterdam / The Netherlands**  
**03 – 04 May 2023**

<b>Wednesday, 03 May 2023</b>		<b>09:00 – 17:30</b>
09:00	Welcome and Introduction	Falk Klar, <i>PDA Europe</i>
09:05	Welcome by the Chairs	Dieter Bachmann, <i>Janssen Johnson &amp; Johnson</i> Toni Manzano, <i>Aizon</i>
<b>Opening Plenary: Regulatory Guidelines for Drug Manufacturing</b>		<b>Moderator:</b> Dieter Bachmann, <i>Janssen Johnson &amp; Johnson</i>
	Title to be Announced	<i>EMA</i>
	Robotic and Automation the Enabler for Higher Quality and Annex 1 CCS Compliance	<i>SKAN Groninger</i>
	Advances in Robotics and Open Interoperability Accelerates Innovation in Biopharm Manufacturing	<i>SiLa</i>
	Q&A; Discussion	
11:05	Coffee Break, Poster Session & Exhibition	
<b>Session 1: Digitalization in Manufacturing</b>		<b>Moderator:</b> Marilyn Romieux, <i>Merck</i>
	Data Visibility and Traceability Throughout a Product Lifecycle	<i>Kalypto</i>
	Unit Level Syringe Identification as a Foundation for Industry 4.0 in the Fill/Finish and Beyond	<i>BD</i>
	Q&A; Discussion	
12:55	Lunch Break, Poster Session & Exhibition	
<b>Session 2: Digital Twins</b>		<b>Moderator:</b> Timothy Hsu, <i>FDO/RAPS</i>
	Interactive Questionnaire	
	Data-Driven Process Optimization and Digital Twins: Harnessing Data from a Complex System to Drive Quality and Efficiency Gains.	<i>cim.as</i> <i>Novo Nordisk</i>
	Towards a Digital Twin in Preclinical Trials - How Automation and Continuous Data Acquisition Enables AI-supported in Silico Models	<i>TissUse</i>
	Q&A; Discussion	
15:40	Coffee Break, Poster Session & Exhibition	
<b>Session 3: Virtual Reality and Augmented Reality</b>		<b>Moderator:</b> Sesethu Dowiasch, <i>Rockwell Automation</i>
	Error Coverage and Error Detection Accuracy as Key Drivers for Automated Training in Virtual Reality	<i>Innerspace</i>
	How is Takeda Exploiting the Benefits of Extended Reality in Global Manufacturing and Supply Chain?	<i>Takeda</i>
	Q&A; Discussion	
17:30	End of Conference Day 1 & Networking Event	

**Thursday, 04 May 2023** **09:00 – 16:45**



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<b>Session 4: Sustainability</b>		<b>Moderator:</b> Yvonne Duckworth, <i>CRB Group</i>
09:00	Strengthening Health Industry Through Advanced Technologies and Innovative Business Models: The UNIDO Experience	<i>UNIDO</i>
	Ecodesign Guideline – Combining Environmental, Technical and Economic Considerations	<i>Körber</i>
	Q&A; Discussion	
10:25	Coffee Break, Poster Session & Exhibition	
<b>Session 5: Artificial Intelligence</b>		<b>Moderator:</b> David Hubmayr, <i>Takeda</i>
	Driving a Culture of Explicit Knowledge Generation in BioTherapeutics Development - One Byte at a Time	<i>Janssen</i>
	A Pragmatic Approach to AI-Enabled Post-Market Quality Transformation	<i>Pricewaterhouse Coopers</i>
	Q&A; Discussion	
12:15	Lunch Break, Poster Session & Exhibition	
<b>Closing Session: Digital Transformation Journey in GMP Environment</b>		<b>Moderator:</b> Toni Manzano, <i>Aizon</i>
	Interactive Questionnaire	
	Revised PDA Technical Report 60 and Links with Artificial Intelligence Applications	<i>Eli Lilly</i>
	Accelerating Digital Transformation Securely by Ensuring Data Integrity in a Regulated Environment	<i>Rockwell Automation</i>
14:15	Coffee Break, Poster Session & Exhibition	
14:45	Passport Raffle	<i>PDA Europe</i>
	Digital Transformation and Path to Regulatory Compliance	<i>US FDA</i>
	Achieving Data Integrity and Governance Amidst Pharma's Digital Revolution	<i>Lachman Consultant Services, Inc.</i>
	Q&A & Final Panel Discussion	<b>Moderator:</b> Toni Manzano, <i>Aizon</i>
	Chairs Conference Summary	Dieter Bachmann, <i>Janssen Johnson &amp; Johnson</i> Toni Manzano, <i>Aizon</i>
	Closing Remakes & Farewell	Falk Klar, <i>PDA Europe</i>
16:45	End of Conference Day 2	

*The agenda is subject to change without notice, Speakers are invited pending confirmation!*