

 Altrusia

# Digital Twin & Smart Manufacturing Summit

21st & 22nd February 2024

| Berlin Germany



**#DTSMS**

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# Speakers



Host

**Michael Ukropec**

CEO



**Dr. Behrang Ashtari**

Solutions Architect



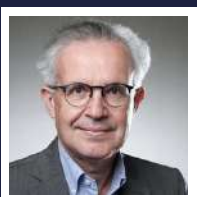
**Steve Brown**

Head of Digital Twins



**Oliver Ruzek**

CEO & Co-Owner



**Dimitris Kiritsis**

Professor Emeritus



**Christian Markussen**

Global practice lead for digital twins and technology qualification



**Kai Altstaedt**

System Architect  
Digitalization



**Alex Samchenko**

Introduction Manager Hi-NA EUV PLM



**Michael Pfeifer**

Smart Safety Lead Architect



**Jakub Kruszelnicki**

Head of Technology Transfer and Sustainability Unit

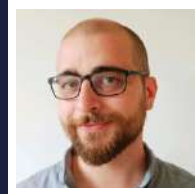


# Speakers



**Hussein Tarhini**

Additive Manufacturing  
Research and PHD candidate



**Fabian Schöfer**

Design automation  
researcher



**Jonathan Eyre**

Senior Technical Fellow in  
Digital Twins



**Michal Vrbický**

Sales Director



**Arqum Ahmad**

Staff Member – Chief  
Technology and Innovation  
Officer



**Heikki Hyttinen**

SDirector



**Romain Klein**

Technical Director



# Timetable – Day 1

8:30 TO 9:00	Registration	
9:00 TO 9:25 KEYNOTE 1	Cross-Domain Digital Twin throughout the Product Lifecycle	Behrang Ashtari Siemens Healthineers
9:25 TO 9:35	Q&A Session	
9:35 TO 9:55 KEYNOTE 2	Successful IT-OT convergence with an integrative no-code platform for production, including demo with customer examples	Oliver Ruzek NC Vision
9:55 TO 10:05	Q&A Session	
10:05 TO 10:25 KEYNOTE 3	How to enable the shop floor – a connected worker story	
10:25 TO 10:35	Q&A Session	
10:35 TO 11:05	Coffee & Networking Break	
11:05 TO 12:00 WORKSHOP	<ul style="list-style-type: none"> <li>• Cross-Domain Digital Twin throughout the Product Lifecycle.</li> <li>• Analyze the role of Big Data in the development and operation of Digital Twins.</li> <li>• Highlight the significance of a semantic layer in bridging data and information across diverse domains within a Digital Twin framework.</li> <li>• Propose a federated data architecture as a solution to maintain real-time synchronization in Digital Twin development.</li> </ul>	Behrang Ashtari Siemens Healthineers
12:00 TO 12:10	Q&A Session	
12:10 TO 1:30	Lunch & Coffee Break	
1:30 TO 1:50 KEYNOTE 4	Creating business value from digital twins	Christian Markussen DIVV
1:50 TO 2:00	Q&A Session	
2:00 TO 2:25 KEYNOTE 5	AI & HPC-Powered Digital Twins for Smarter & Faster Operations	Romain Klein Rescale
2:25 TO 2:35	Q&A Session	

2:35 TO 2:55 KEYNOTE 6	Cognitive Digital Twins	Dimitrios Kyritsis EPFL
2:55 TO 3:05	Q&A Session	
3:05 TO 3:30	Coffee & Networking Break	
3:30 TO 3:50 KEYNOTE 7	TBD	MICHAL VRBICKÝ TWINZO
03:50 TO 04:00	Q&A Session	
4:00 TO 4:20 KEYNOTE 8	Achieving Connected Digital Twins with Cyber-Physical Infrastructure	Jonathan Eyre AMRC
4:20 TO 4:30	Q&A Session	
4:30 TO 4:50 KEYNOTE 9	Full life-cycle digital twins for complex OEM products and services	Steve Brown Sweco
4:50 TO 5:00	Q&A Session	
5:00 TO 6:00	Cocktail Reception	
End of day 1		



# Timetable – Day 2

9:30 TO 9:50 KEYNOTE 10	iaHAZOP: Use of Digital twins in Risk Management	Michael Pfeifer TÜV SÜD
9:50 TO 10:00	Q&A Session	
10:00 TO 10:20 KEYNOTE 11	Digital Twin from data to information	KAI ALTSTAEDTT AIRBUS
10:20 TO 10:30	Q&A Session	
10:30 TO 10:55 KEYNOTE 12	From prototype to production: navigating the market journey of manufacturing data technologies	Jakub Kruszelnicki FundingBox
10:55 TO 11:05	Q&A Session	
11:05 TO 11:35	Coffee & Networking Break	
11:35 TO 11:55 KEYNOTE 13	Digital Twins in Smart Manufacturing Management	Heikki Hyttinen Process Genius GmbH
11:55 TO 12:05	Q&A Session	
12:05 TO 12:25 KEYNOTE 14	How can digital twins help enable informed decision-making for manufacturers?	Reserved
12:25 TO 12:35	Q&A Session	
12:35 TO 2:00	Networking Break & Lunch	
2:00 TO 2:30 KEYNOTE 15	SmIoT X Open-Source "Empower and digitize the industry with open-source data driven intelligence"	Arqum Ahmad Leonardo
2:30 TO 2:40	Q&A Session	
2:40 TO 3:10 KEYNOTE 16	DESIGN AUTOMATION MEETS AI	Fabian Schöfer Leuphana University & Hussein Tarhini Fraunhofer IAPT

3:10 TO 3:20	Q&A Session	
3:20 TO 3:40 KEYNOTE 17	digitalization of Supply chain decision making	ALEX SAMCHENKO ASML
3:40 TO 3:50	Q&A Session	
3:50 TO 4:20	Coffee & Networking Break	
End of day 2		



# OUR UPCOMING EVENTS

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## CONVERSATIONAL AI & CUSTOMER EXPERIENCE SUMMIT

APRIL 2024, INDIA

COVID-19 HAS PUSHED ECONOMIES GLOBALLY TO UNDERGO ACCELERATED CYBERNATED TRANSFORMATION. CONVERSATIONAL AI IS A SET OF TECHNOLOGIES THAT IS SWEEPING ACROSS INDUSTRIES, AND EVERY COMPANY IS LOOKING TO ADD AI-BASED SOLUTIONS TO AUTOMATE THEIR ROUTINE OPERATIONS. BY UNDERSTANDING THE ESSENCE OF HUMAN LANGUAGES, SPEECH, COMMUNICATION, EMOTIONS, AND REAL INTENT, THE CONVERSATIONAL AI & CUSTOMER EXPERIENCE SUMMIT WILL DISCUSS HOW COMPANIES CAN ACHIEVE HUMAN-LIKE INTERACTIONS BETWEEN COMPUTERS AND HUMANS.

## CONVERSATIONAL AI & CUSTOMER EXPERIENCE SUMMIT

JULY 2024, INDONESIA

COVID-19 HAS PUSHED ECONOMIES GLOBALLY TO UNDERGO ACCELERATED CYBERNATED TRANSFORMATION. CONVERSATIONAL AI IS A SET OF TECHNOLOGIES THAT IS SWEEPING ACROSS INDUSTRIES, AND EVERY COMPANY IS LOOKING TO ADD AI-BASED SOLUTIONS TO AUTOMATE THEIR ROUTINE OPERATIONS. BY UNDERSTANDING THE ESSENCE OF HUMAN LANGUAGES, SPEECH, COMMUNICATION, EMOTIONS, AND REAL INTENT, THE CONVERSATIONAL AI & CUSTOMER EXPERIENCE SUMMIT WILL DISCUSS HOW COMPANIES CAN ACHIEVE HUMAN-LIKE INTERACTIONS BETWEEN COMPUTERS AND HUMANS.

## CONVERSATIONAL AI & CUSTOMER EXPERIENCE SUMMIT

NOVEMBER 2024, GERMANY

COVID-19 HAS PUSHED ECONOMIES GLOBALLY TO UNDERGO ACCELERATED CYBERNATED TRANSFORMATION. CONVERSATIONAL AI IS A SET OF TECHNOLOGIES THAT IS SWEEPING ACROSS INDUSTRIES, AND EVERY COMPANY IS LOOKING TO ADD AI-BASED SOLUTIONS TO AUTOMATE THEIR ROUTINE OPERATIONS. BY UNDERSTANDING THE ESSENCE OF HUMAN LANGUAGES, SPEECH, COMMUNICATION, EMOTIONS, AND REAL INTENT, THE CONVERSATIONAL AI & CUSTOMER EXPERIENCE SUMMIT WILL DISCUSS HOW COMPANIES CAN ACHIEVE HUMAN-LIKE INTERACTIONS BETWEEN COMPUTERS AND HUMANS.

## DIGITAL TWIN & SMART MANUFACTURING SUMMIT

FEBRUARY 2025, GERMANY

DIGITAL TWINS HOLD THE POTENTIAL TO ACHIEVE THESE OBJECTIVES WITH EXCELLENT IMPACT BOTH EFFECTIVELY AND EFFICIENTLY EMPOWERING LEADERS TO GET A COMPLETE INSIGHT INTO THE DATA AND STRUCTURE OF THEIR BUSINESS TO DETECT EARLY FLAWS AND POTENTIAL OPPORTUNITIES GIVING THEM AN UPPER HAND ON IMPLEMENTING QUICK RESPONSIVE APPLICATIONS TO CURB THE CRACK OR TO ERADICATE ANY CONCERN BEFORE IT IS TRIGGERED EVEN BEFORE THE BUSINESS COULD SET UP.