AGENDA

NOV 19 – 20
SMART **PRODUCTION 2024**

TUESDAY | **NOVEMBER 19**

9.00 am   **Welcome and Conference Introduction**
Dr. Sibylle Freitag, Automotive Circle, DE

NO DIGITALIZATION WITHOUT DATA

9.30 am   **How digitalization will support the evolution of automotive manufacturing – today and tomorrow**
Jacob Hall, Richard Porter, GE Vernova, UK

10.00 am   **How common data management empowers the digitalization of production planning at BMW**
Dr. Carmen Listl, BMW Group, DE

10.30 am   **Meet the Speakers / Exhibition / Coffee and contacts**

11.00 am   **Data analytics and machine learning in automotive production**
Sebastian Findeisen, Mercedes-Benz AG, DE

FOCUS ON ASSEMBLY SOLUTIONS

11.30 am   **Development of a large-scale automotive assembly work assignment optimization method with sequential constraints using quantum annealing**
Dr. Takeshi Moriya, Nissan Motor Co., JP

12.00 pm   **AI in Automotive Production**
Michael Schmidt, BMW Group, DE

12.30 pm   **Lunch Break**

1.30 pm   **How to use vision AI based for control, traceability and dashboarding**
Gabriel Audry, Groupe Renault, FR;
Olivier Gibaru, Buawei, FR

AI INNOVATIONS

2.00 pm   **AI Maintenance Assistant**
Andrew Leyland, Ross Denton, JLR, UK

2.30 pm   **Ensuring the longevity of developed AI solutions: challenges and solutions in production systems**
Dr. Paulina Prantl, Fraunhofer Institute for Integrated Circuits IIS, DE

SMART FACTORY SOLUTIONS I

3.00 pm   **Meet the Speakers / Exhibition / Coffee and contacts**

3.30 pm   **Improving production and resource efficiency through automated and intelligent robotic laboratory cells**
Andreas Fezer, Materials Testing Institute (MPA) University of Stuttgart, DE

4.00 pm   **E-SELF – The self-driving electric car in the vehicle factory**
Laura Heister, Ford-Werke GmbH, DE

4.30 pm   **Get-Together: Meet the speakers & exhibitors**

6.00 pm   **Networking Night**

* All times in CET (UTC+1)
Conference program is subject to change
Status as of: November 4, 2024

SMART **PRODUCTION 2024**
DIGITALIZING AUTOMOTIVE MANUFACTURING

SEE YOU NEXT YEAR AT THE **SMART PRODUCTION CONFERENCE ON SEP 30 – OCT 1, 2025** IN BAD NAUHEIM AGAIN!

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SMART PRODUCTION 2024

WEDNESDAY | NOVEMBER 20

9.00 am **Introduction to Coupled Process Analysis (CPA)**
Patrick Ackert, Fraunhofer Institute for Machine Tools and Forming Technology (IWU), DE

9.30 am **From IoT (Internet of Things) to IoM (Internet of Materials): How to bridge the physical and virtual world for tracking material data**
Dr. Werner Aumayr, coilDNA GmbH, AT

SMART QUALITY CONTROL

10.00 am **How to automatically inspect fit and finish in electric vehicle production**
Juan Carlos Garcia, Eines Vision Systems, ES

10.30 am **Meet the Speakers / Exhibition / Coffee and contacts**

11.15 am **Transformation in quality control from manual to automatic with AI support**
Alf Andersson, Volvo Cars, SE

INDUSTRIAL METAVERSE

11.45 am **The value of humans in manufacturing & the industrial metaverse**
Martin Weidhas, imk Industrial Intelligence GmbH, DE

12.00 pm **Industrial metaverse – the key to efficient engineering**
Jan Berner, Feynsinn – eine Marke der EDAG, DE;
Philipp Hummel, EDAG Production Solutions GmbH & Co. KG

12.30 pm **Lunch Break**

SMART FACTORY SOLUTIONS II

1.30 pm **Accelerating AI solutions for the shop floor enabled by an Unified Namespace on AWS cloud**
Buddhadeb Chakraborty, Amazon Web Services Automotive & Manufacturing, DE

2.00 pm **OEE increase through digital connected production systems in laser material processing**
Marco Holzer, Trumpf Laser SE, DE

2.30 pm **Factory of the future: Defining a vision & strategy**
Brian Breuhan, General Motors Company, US

3.00 pm **Closing Remarks**
OEM Advisory Board

3.15 pm **Conclusions & Farewell**
Dr. Sibylle Freitag, Automotive Circle, DE

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ABOUT US

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