



AUTOMOTIVE CIRCLE
CONFERENCE

SMART PRODUCTION

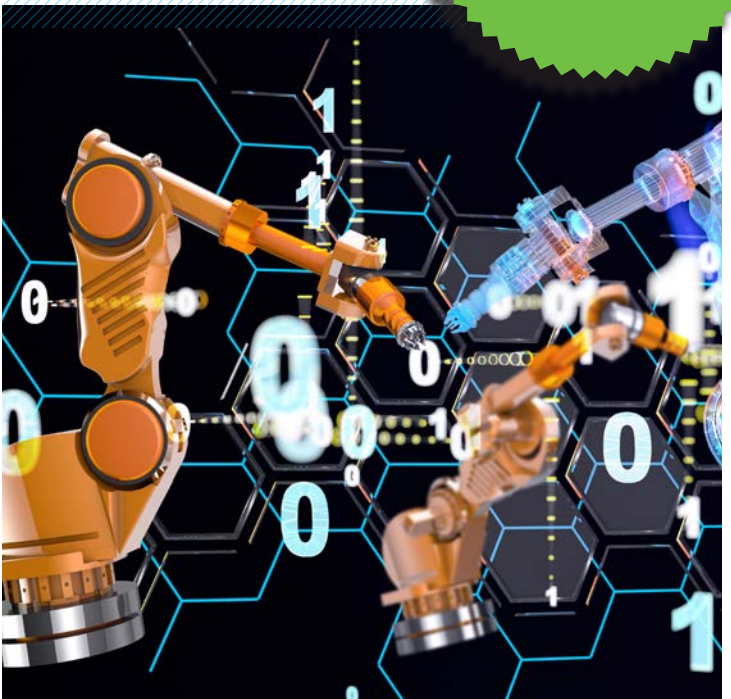
DIGITALIZING AUTOMOTIVE
MANUFACTURING

FEBRUARY 22-23, 2022

BAD NAUHEIM, GERMANY

PRELIMINARY PROGRAM

SUPPORTED BY
BMW, FORD,
GENERAL MOTORS,
MERCEDES-BENZ



WELCOME TO A NEW AUTOMOTIVE CIRCLE NETWORK

Making intelligent use of current and future possibilities of digitization and connectivity in industrial manufacturing processes is one of the major challenges that industries are facing today. In particular, this is true where products and processes are characterized by great complexity, the automotive industry being a prime example. The goal is to create comprehensive digital infrastructures across all departments that significantly increase production and resource efficiency while avoiding needless complexity and cost.

We are happy to announce that the Automotive Circle is launching a new conference series to advance the exchange between experts on this topic. We cordially invite you to join us in Bad Nauheim, where we are going to address these challenges and discuss optimum solutions, with a focus on digitization solutions and their implementation across the entire automotive production chain.

We are looking forward to meeting you there!



Dr. Dirk Meine
Presidium
Automotive Circle



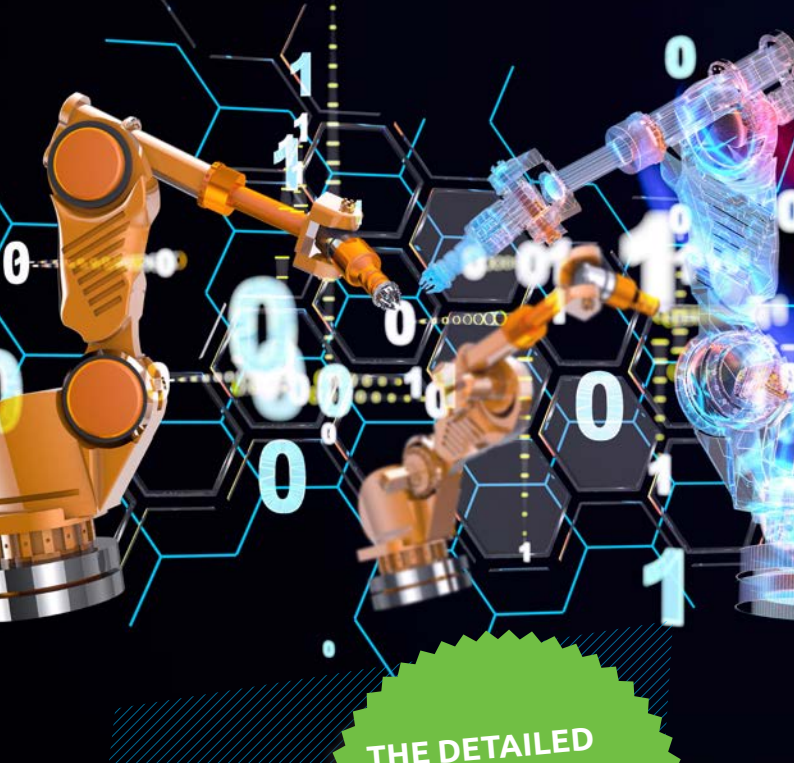
Dr. Sibylle Freitag
Presidium
Automotive Circle

EXERPT
FROM THE CONFERENCE

- ✓ **How smart do you want it to be? – From buzzwords to reality**
Frank Breitenbach, EDAG Production Solutions GmbH & Co. KG, DE
- ✓ **Why line-building and plant management need to change**
Timur Ripke, Coman Software GmbH, DE; Sven Schüle, Mercedes-Benz AG, DE
- ✓ **Potentials of the combined use of digital product and production technologies for efficient assembly and commissioning**
L. Margjes, ZeMA gGmbH; Patrick Scheppe, Mercedes-Benz AG; DE
- ✓ **Modular and self-organizing manufacturing**
Dr. Olaf Sauer, Fraunhofer Institute of Optronics, System Technologies and Image Exploitation (IOSB), DE
- ✓ **Smart paint shop**
Dr. Simon Rosenkranz, AOM-Systems GmbH, DE
- ✓ **Improving OEE with the aid of artificial intelligence (AI)**
Dr. Lars Friedrich, Dürr Systems AG, DE
- ✓ **Cloud solution for paint shop applications. Hardware on demand for a complete paint shop suit**
Dr. M. Schifko, Dr. A. Eslamian, ESS Engineering Software Steyr, AT
- ✓ **Augmented reality projection prevents manual rework in series production**
Dr. Peter Keitler, Extend3D GmbH, DE
- ✓ **AI-driven engineering of joining processes**
Mathias Jäckel, Fraunhofer IWU, DE
- ✓ **Optimize automotive production with embedded point cloud sensor family resulting in greater efficiency, productivity gains and enabling sustainable production**
Holger Wirth, ISRA VISION AG, DE
- ✓ **Intelligent use of existing process data in the sheet metal process chain**
Per Heyser, Paderborn University, DE
- ✓ **Smart Press Shop – increased efficiency and transparency through a comprehensive track & trace solution**
Dr. Robert Vollmer, Schuler Pressen GmbH, DE; Dr. Timo Böhm, Dr. Ing. h.c. F. Porsche AG, DE
- ✓ **AI methods in PDM, PLM – applications of intelligent digital variant management – computation of assemblies and planning of test vehicles**
Prof. Wolfgang Küchlin, Sniversität Tübingen/Steinbeis Transferzentrum OIT, DE
- ✓ **Predictive maintenance with decentralised learning**
Dr. Tejo Chalasani, Utpatti, DE



TERMS AND CONDITIONS,
INFORMATION AND REGISTRATION AT
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THE DETAILED
PROGRAM WILL BE
AVAILABLE
IN DECEMBER!

Sign up until **DECEMBER 21** and
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