

## Program

**Tuesday, 8th October 2024**

**19:00 Come Together**

TU Wien - TUtheSky - Getreidemarkt 9, BA, 11.floor, 1060 Vienna

**Wednesday, 9th October 2024**

Palais Ferstel - Strauchgasse 4, 1010 Vienna

**8:00 - 9:00 Registration**

**9:00 - 10:30 Opening & Opening Keynote**

**9:00 - 9:10 Welcome Address - Twin Transition in Manufacturing**

**Univ.Prof. Dipl.-Ing. Dr.techn. Friedrich Bleicher**

Head of the Institute of Production Engineering and Photonic Technologies,  
Technische Universität Wien

**9:10 - 9:20 Opening Address**

**Prof. Dr.-Ing. Jens Schneider**

Rector, Technische Universität Wien

**9:20 - 9:30 Opening Address**

**Henriette Spyra, MA**

Director General Innovation & Technology, Austrian Federal Ministry for Climate Action,  
Environment, Energy, Mobility, Innovation & Technology

**9:30 - 9:40 Opening Address**

**Mag. Gerhard Hirczi**

Head of Vienna Business Agency, Managing Director

**9:40 - 10:00 European manufacturing: leading and shaping our green and digital future**

**Caroline Viarouge**

Chief Executive Officer, EIT Manufacturing

**10:00 - 10:30 Digitalisation as enabler to foster the twin transition and ensure competitiveness**

**Dipl.-Ing. Dr. Sabine Herlitschka, MBA**

Chief Executive Officer, Infineon Technologies Austria AG

**10:30 - 11:00 Coffee Break**

**11:00 - 12:30 Plenary Session I**

**11:00 - 11:30 The Future of Automotive Production in Europe**

**Markus Haupt**

Board Member for Production and Logistics, SEAT S.A

**11:30 - 12:00 Industrial Intelligence - improving efficiency and sustainability in manufacturing**

**Dr. Ansgar Kriwet**

Member of the Management Board Research and Development, Festo SE & Co.

**12:00 - 12:30 Machining Transformation (MX)**

**Dr. Eng. Masahiko Mori**

President of DMG MORI CO., LTD.

**12:30 - 13:30 Lunch**

**Wednesday, 9th October 2024**

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**13:30 - 15:30 Plenary Session 2**

**13:30 - 14:00 The role of the digital twin for the machine tool business**

**Dr. Stefanie Frank**

Senior Vice President for Machine Tool Systems, Siemens AG

**14:00 - 14:30 Innovative CNC technology for sustainable and highly efficient manufacturing**

**Dr. Jens Kummetz**

Head of Technical Training, DR. JOHANNES HEIDENHAIN GmbH

**14:30 - 15:00 Technical solutions for sector-coupling systems as enablers for a successful energy transition in production**

**Dr. Chris-Jörg Rosen**

Vice President Manufacturing Solutions, Phoenix Contact GmbH & Co. KG

**15:00 - 15:30 The future of machining - Automated today, autonomous soon**

**Prof. Dr.-Ing. Berend Denkena**

Head of the Institute of Production Engineering and Machine Tools, Leibniz University Hannover

**15:30 - 16:00 Coffee Break**

**16:00 - 17:30 Plenary Session 3**

**16:00 - 16:30 Digital Steel Foundry**

**Dipl.-Ing. Michael Krainz**

Managing Director, voestalpine Foundry Group

**16:30 - 17:00 Data driven process optimization in metal forming**

**Prof. Dr.-Ing. Wolfram Volk**

Chair of Metal Forming and Casting, TUM School of Engineering and Design, Technical University of Munich

**17:00 - 17:30 SMART STAMPING - Adaptive Processes for competitive & sustainable automotive components**

**Dipl.-Ing. Christian Juricek**

Manager R&D, MAGNA Cosma

**18:30 Gala Dinner**

Natural History Museum Vienna

[Maria-Theresien-Platz . 1010 Vienna](#)



**Thursday, 10th October 2024**  
Palais Ferstel - Strauchgasse 4, 1010 Vienna

**9:00 - 10:30 Plenary Session 4**

**9:00 - 9:30 Efficient Machining Solutions for Sustainable Aircraft Production**

**Dr.-Ing. Matthias Lange**  
HO R&T Varel, Premium AEROTEC

**9:30 - 10:00 Extending the application range of cutting**

**Prof. em. Dr.-Ing. Dr. h.c. Konrad Wegener**  
Senior Advisor, Inspire-iwf Werkzeugmaschinen Fertigung

**10:00 - 10:30 Efficiency improvements of machining processes based on novel simulation developments and detailed process chain analyses**

**Prof. Dr.-Ing. Prof. h.c. Dirk Biermann**  
Institute of Machining Technology, TU Dortmund University

**10:30 - 11:00 Coffee Break**

**11:00 - 12:30 Plenary Session 5**

**11:00 - 11:30 Adapt, innovate, transform: The future of the machining industry in a volatile world**

**Dipl.-Ing. Jacek Kruszyński**  
Member of the Executive Board, Chief Technology Officer  
MAPAL Fabrik für Präzisionswerkzeuge Dr. Kress KG

**11:30 - 12:00 Simulation-based Control of Tool Wear and Lifetime for Titanium Machining**

**Dr.-Ing. habil. Dipl.-Inform. Tobias Surmann**  
NC- Programming, Airbus GmbH, Business Unit Premium AEROTEC

**12:00 - 12:30 Development and industrial application of digital twins for cutting processes and machine tools**

**Prof. Kaan Erkorkmaz, PEng**  
Professor in the Department of Mechanical and Mechatronics Engineering, University of Waterloo

**12:30 - 13:30 Lunch**

**13:30 - 15:00 Plenary Session 6**

**13:30 - 14:00 Improving machining efficiency by machine system intelligence**

**Prof. Dr.-Ing. Hans-Christian Möhring**  
Chair and Director, Institute for Machine Tools Management, University of Stuttgart

**14:00 - 14:30 Innovative PCD tools for the effective processing of ceramic materials**

**Dipl.-Ing. Jens Boos**  
Managing Partner, 6C Tools AG

**14:30 - 15:00 Development of process chains, integrating Wire Arc Additive Manufacturing, Multi-Axis Machining and Laser Hardening, for low series parts manufacturing**

**Prof. Dr. Ir. Bert Lauwers**  
Academic Director KU for KU Leuven, Kempen-Mechelen & Limburg  
Dean of the Faculty of Engineering Technology

**15:00 - 15:30 Coffee Break**

**Thursday, 10th October 2024**  
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**15:30 - 16:45 Plenary Session 7**

**15:30 - 16:00 Twin Transition in Metrology – Framework for successful implementation**

**Prof. Dr. Heiko Wenzel-Schinzer**  
CDO, Wenzel Group

**16:00 - 16:30 Shared data ecosystems - enabler for a green production**

**Prof. Dr.-Ing. Matthias Weigold**  
Head of the Institute for Production Management, Technology and Machine Tools, TU Darmstadt

**16:30 - 16:45 Summary and Closing**

**Univ.Prof. Dipl.-Ing. Dr.techn. Friedrich Bleicher**  
Head of the Institute of Production Engineering and Photonic Technologies,  
Technische Universität Wien

**17:00 Bus transfer**

**from 18:00**

**Visit the TEC-Lab**

**Laboratory for Production Engineering**

Franz Grill Straße 4, Oobject OA, 1030 Vienna

**Networking with catering**

## Organizational Team



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