6. Wiener Produktionstechnik Kongress 9. - 10.10.2024

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 1

11:00 - 11:30 The Future of Automotive Production in Europe: Transformation and Challenges at SEAT S.A.
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

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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 Engieering and Machine Tools, Leibniz Univesity 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

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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 Praezisionswerkzeuge 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

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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, Ooject OA, 1030 Vienna

Networking with catering

Organizational Team

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