Combined expertise in metalworking

In the mav industry 4.0 area, you will find successful practical solutions for digitalization of your production. At the joint booth and in the forum, experts of leading companies and renowned research institutions will be happy to answer any additional questions you may have.

We invite you to gather information and make an active contribution.

You are cordially invited

The industry 4.0 area of the mav is located in Hall 25 at Booth B60. In addition to interesting presentations, you will have the opportunity to meet and have a pleasant conversation with our presenters and editors as well as with competent colleagues. We look forward to seeing you in Hanover soon.

mav
Innovation in metal working
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Visit the mav industry 4.0 area at the EMO 2017 in Hanover

34 experts present practical solutions for digitalization of your production

Hall 25 Booth B60

Leibniz Universität Hannover, IFW, Foto: Nico Nemeyer

Knowledge that takes you further

From 18 to 23 September 2017, the EMO will be the gathering of the metalworking industry.

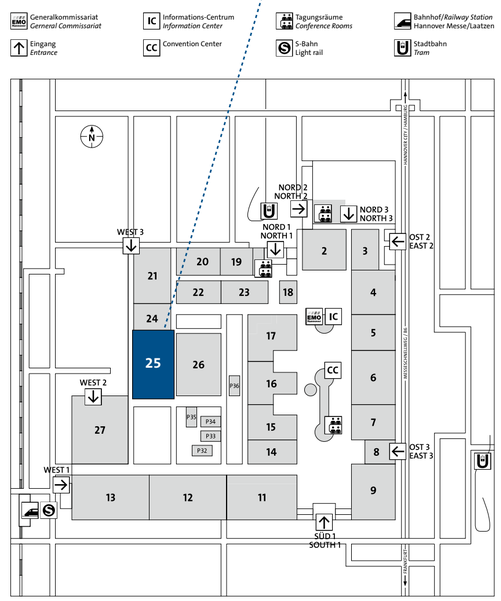
Here, the leading companies of the industry will present themselves to an international audience. In the industry 4.0 area of the mav, well-known companies and renowned research institutions present practical solutions for the digitalization of production.

Live and in operation at the joint booth, and in the forum in the form of exciting presentations and a constructive exchange of experience.

High caliber experts get you ready for the future. Don't miss this opportunity to visit the mav Industry 4.0 Area in Hall 25 at Booth B60.

We look forward to seeing you.

mav industry 4.0 area

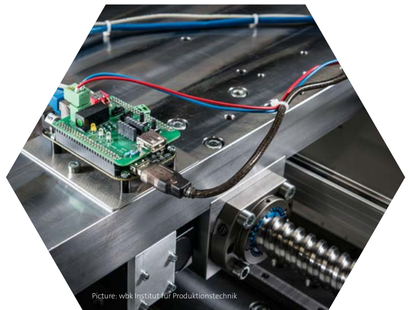


A program that leaves nothing to be desired

Tuesday, September 19, 2017

- 10:00 – 10:30 AM **„Joining Forces to Shape the Industrial Future – Allianz Industrie 4.0 Baden-Württemberg“**
  Dr. Katharina Mattes, Allianz Industrie 4.0 Baden-Württemberg
- 10:30 – 11:00 AM **„Digital High Performance Production from the German Cloud“**
  Johann Hofmann, Maschinenfabrik Reinhausen GmbH
- 11:00 – 11:30 AM **„Connected Machining – Digital Job Management in the workshop“**
  Ines Schmid, DR. JOHANNES HEIDENHAIN GmbH
- 11:30 AM – 12:00 PM **„Manufacturing with intuitive apps“**
  Johannes Haar, SOFLEX Fertigungssteuerungs-GmbH
- 12:00 – 01:00 PM *Lunch break*
- 01:00 – 01:30 PM **„Industrie 4.0 at the junction between tool and machine“**
  Prof. Dr.- Ing. Michael F. Zäh, TU Munich
- 01:30 – 02:00 PM **„NEW COLLABORATION in the area of tool management – CAD/CAM process for the modern chipping process of tomorrow“**
  Christian Erlinger, COSCOM Computer GmbH
- 02:00 – 02:30 PM **„X-Panel – Customized Industry 4.0“**
  Eberhard Beck, Stefan Großmann, INDEX-Werke GmbH & Co. KG
- 02:30 – 03:00 PM **„Smart Data Analytics: productivity increase of interlinked systems and automated machine benchmarking“**
  Felix Georg Müller, Fraunhofer IPA
- 03:00 – 03:30 PM **„Industrie 4.0 communication with OPC UA“**
  Dr. Christian Mosch, VDMA Forum Industrie 4.0

Moderation: Armin Barnitzke, Assistant Editor-in-Chief, Automationspraxis



Wednesday, September 20, 2017

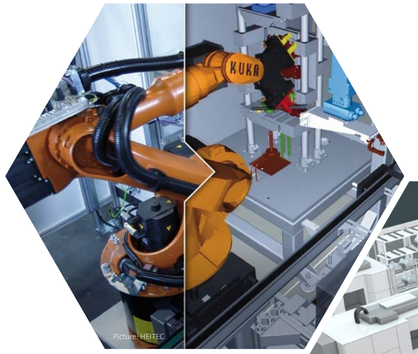
- 10:00 – 10:30 AM **„Distributed data access and edge computing in productions plants”**
  Javier Diaz, Plethora IIoT / ETxe-tar Group
- 10:30 – 11:00 AM **„More than industry 4.0 buzz words: Information instead of data – Use of AXOOM IoT and Analytics at Felss“**
  Marc Detmers, AXOOM GmbH, **Markus Preisinger,** Felss Holding GmbH
- 11:00 – 11:30 Uhr **„c-Com: an innovative approach to the data management in the metal cutting industry“**
  Giari Fiorucci, c-Com GmbH
- 11:30 AM – 12:00 PM **„Monetize your machines with modular features – Licensing and Security in IoT, IIoT, and Industrie 4.0“**
  Rüdiger Kügler, WIBU-SYSTEMS AG
- 12:00 – 01:00 PM *Lunch break*
- 01:00 – 01:30 PM **„Intelligent components for machine tools“**
  Prof. Dr.-Ing. Jürgen Fleischer, wbk Institute for Production Technology, Karlsruher Institut für Technologie (KIT)
- 01:30 – 02:00 PM **„Smart sawing – Highly efficient production through innovative sawing technology“**
  Tim Mayer, Fraunhofer IPA
- 02:00 – 02:30 PM **„Digital High Performance Production from the German Cloud“**
  Johann Hofmann, Maschinenfabrik Reinhausen GmbH
- 02:30 – 03:00 PM **„Intelligent systems for machine tools – Simulations and prototypes“**
  Prof. Petra Wiederkehr, Virtual Machining, ISF, TU Dortmund, **Prof. Hans-Christian Möhring,** Institute for Machine Tools (IfW), University of Stuttgart
- 03:00 – 03:30 PM **„Process Monitoring based on drive data“**
  Chris Schöberlein, Chemnitz University of Technology

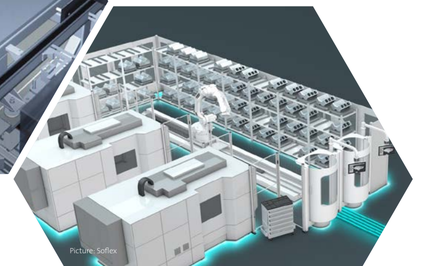
Moderation: Armin Barnitzke, Assistant Editor-in-Chief, Automationspraxis

Thursday, September 21, 2017

- 10:00 – 10:30 AM **„Requirements of a digital engineering process“**
  Tobias Wetz, Gühring KG
- 10:30 – 11:00 AM **„From vision to practical application of automation“**
  Tomas Hedenborg, CEO Fastems Group, Fastems Systems GmbH
- 11:00 – 11:30 AM **„Real time data collection and analysis for composite cutting in aerospace industry“**
  Julio Zurbitu, Fagor Automation
- 11:30 AM – 12:00 PM **„Real-time data from machine tools – monitoring and analysis with HeiTPM“**
  Christian Kurtz, HEITEC AG
- 12:00 – 01:00 PM *Lunch break*
- 13:00 – 01:30 PM **„Empirical individual machine data within the data model for the energy sensitive planning of cutting processes“**
  Dr. Volker Wittstock, Chemnitz University of Technology
- 01:30 – 02:00 PM **„Making turning machines digital: perfectly equipped for Industry 4.0 with TISIS“**
  Dennis Keim, Tornos Technologies Deutschland GmbH
- 02:00 – 02:30 PM **„From data to knowledge discovery in machine tools”**
  Javier Diaz, Plethora IIoT / ETxe-tar Group
- 02:30 – 03:00 PM **„Developing new business models”**
  Thomas Kinkeldei, VDMA Bayern
- 03:00 – 03:30 PM **„„Industry 4.0 Plug&Play‘ – An open ecosystem of partners, competences, applications and solutions to accelerate the digitalization in machine tool industry”**
  Stefano Linari, Pier Luigi Zenevre, Alleantia Srl, **Maurizio Porta**, Porta Solutions SpA, **Antonios Tsetsos**, Advantech Europe B.V.

Moderation: Frederick Rindle, Editor, mav





Friday, September 22, 2017

- 10:00 – 10:30 AM **„Feeling Machine for Online Process Monitoring and Control”**
  Benjamin Bergmann, Institute of Production Engineering and Machine Tools (IFW), Leibniz University Hannover
- 10:30 – 11:00 AM **„Schiess GmbH – Change from classic machine tool builder to a full-service provider“**
  Bernd Duchstein, Schiess GmbH
- 11:00 – 11:30 AM **„Potentials and Challenges of Wireless Technologies for Production Technology“**
  Markus Obdenbusch, Machine tool lab WZL of the RWTH Aachen
- 11:30 AM – 12:00 PM **„Model-based development process for the integrated planning of cyber-physical production systems“**
  Chantal Sinnwell, Institute for manufacturing technology and production systems (FBK), University of Kaiserslautern
- 12:00 – 01:00 PM *Lunch break*
- 01:00 – 01:30 PM **„FIELD – the open IoT platform of FANUC“**
  Bernhard Lusch, FANUC Deutschland GmbH
- 01:30 – 02:00 PM **„High production processes, horizontal integration and mass customization in the metalworking industry“**
  Paolo Maifredi, Buffoli Automazione Industriale – Electro Engineering
- 02:00 – 02:30 PM **„Intelligent systems for machine tools – Simulations and prototypes“**
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Moderation: Holger Röhr, Editor-in-Chief, mav

Subject to change