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Frontiers of Manufacturing. Beyond what is known.
GrindDialog: 12.-13.11.2026

FRONTIERS OF MANUFACTURING. BEYOND WHAT IS KNOWN.

Thursday, 12. November

Timeline	Exploring Frontiers Between Science and Practice	
from 09:30	Welcome and Opening Remarks.	Marie-Sophie Maier Adelbert Haas GmbH
10:00 - 10:30	Next Generation Grinding - An innovative process strategy for increasing productivity in challenging grinding processes.	Prof. Dr.-Ing. Bahman Azarhoushang KSF - Institute for Advanced Manufacturing Furtwangen University
10:30 - 11:00	Are you still grinding, or are you already producing?	Martin Zeller BASS GmbH Technik für Gewinde
11:00 - 11:15	Coffee break	
11:15 - 11:45	From multisensor technology to intelligent process analysis.	Dr. Michal Kuffa K2tech AG
11:45 - 12:15	Material behavior during the grinding of cobalt-free and cobalt-reduced cemented carbides.	M.Sc. Dominik Mohnen MTI - Manufacturing Technology Institute RWTH Aachen University
12:15 - 13:00	Lunch	
13:00 - 13:30	High tech or high touch: Beyond technology.	Prof. Dr. Emel Taban Kocaeli Üniversitesi
13:30 - 14:00	Sensors, AI and Dual-Arm Handling: Impulses from Research for More Autonomous Processes.	Sarah Glatz Work-Life Robotics Institute Offenburg University of Applied Sciences
14:00 - 14:15	Coffee break	
14:15 - 14:45	Simulation as a Competitive Advantage in the Digital Thread of Cutting Tool Manufacturing.	Paige Adams Third Wave Systems, Inc.
14:45 - 15:15	More Economical Machining and Grinding with Cryogenic Cooling.	Dr.-Ing. Jürgen Gerhardt acp systems AG
15:15 - 15:45	Coffee break	
15:45 - 16:15	Engineering the Process: Tooling Projects and Fixture Intelligence.	Nilgün Taskin
15:45 - 16:15	From Silo Thinking to a Continuous Data Flow: OneDataFlow in Tool Manufacturing.	Steffen Kluth ISBE GmbH
from 16:15	Company tour.	Adelbert Haas GmbH
afterwards	Connect & Dine.	Registration is requested

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Friday, 13. November

Timeline	Exploring Frontiers Between Science and Practice	
from 09:00	Welcome and Opening Remarks.	Marie-Sophie Maier Adelbert Haas GmbH
09:30 - 10:00	The Role of Tool Preparation in the Precision Finishing of Cemented Carbides.	Dr.-Ing. Monika Kipp Institute of Machining Technology Dortmund University
10:00 - 10:30	Digital Twin - Technology, Machine, Process.	Prof. Dr.-Ing. Paul Helmut Nebeling Reutlingen University
10:30 - 10:45	Coffee break	
10:45 - 11:15	The Linear Guide Makes the Difference: Precision in Operation, New Potential with the Next Generation.	Konrad Bantel SCHNEEBERGER GmbH
11:15 - 11:45	High-Speed Belt Grinding [HSBG] - Investigation and Evaluation of Process Limits and Potentials.	M.Sc. Julian Wolfgang Henning Institute of Machine Tools and Factory Management Technische Universität Berlin
12:15 - 13:00	Lunch	
13:00 - 13:30	Software-Assisted Wear Compensation for Long-Life Single-Point Diamond Dressers.	Silvio Figini IWK Institute for Materials Technology and Plastics Processing OST - Eastern Switzerland - University of Applied Sciences
13:30 - 14:00	From the Digital Twin to the Self-Learning Manufacturing System - Research Perspectives in Production Engineering.	M.Sc. Shengjian Chen Institute for Control Engineering of Machine Tools and Manufacturing Units University of Stuttgart
14:15 - 14:30	Coffee break	
14:30 - 15:00	Measure. Decide. Grind. Quality Control in Step with Production.	Ralf Tschorn Toollense - Inspection Solutions
15:00 - 15:30	High-Precision Profiled Workpieces with Electroerosively Profiled Grinding Wheels.	Dr. Thomas Magg Diamant-Gesellschaft Tesch GmbH
15:30 - 16:00	Rethinking the Limits of Clamping Technology: Precision, Sensor Technology and Automation.	Achim Platzer HAINBUCH GMBH
from 16:00	Closing Remarks.	Adelbert Haas GmbH

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