

***A. HQAS***

GrindDialog: 13.-14. November  
Leading Minds and Legendary Pioneers

## Thursday, 13. November

Dialog	Leading Minds	
from 09:30	Welcome	Adelbert Haas GmbH
10:00 - 10:30	Real-Time Anomaly Detection and Prediction of Surface Quality in Grinding Using Industrial Edge Intelligence.	Prof. Dr.-Ing. Bahman Azarhoushang KSF - Institute for Advanced Manufacturing   Furtwangen University
10:30 - 11:00	Continuous Generating Grinding: Flexible Manufacturing of Cutting Tools with Individual Cutting Edge Geometry.	Dr.-Ing. Benjamin Bergmann Institute of Production Engineering and Machine Tools   Leibniz University Hannover
11:00 - 11:30	Force-Controlled Finishing Unlocks Innovative Applications: Examples from Drive Technology and Process Integration.	Ing. Erik Lewin   PTG PräzisionsTechnologien GoldAU GmbH Prof. Dr.-Ing. Florian Welzel   Magdeburg-Stendal University of Applied Sciences
11:30 - 12:00	Cryogenic Grinding: Opportunities and Limitations in Metalworking.	PD Dr.-Ing. habil. Benjamin Kirsch FBK - Institute for Manufacturing Technology and Production Systems RPTU Kaiserslautern
12:00 - 13:00	Lunch	
13:00 - 13:30	System Partners Instead of Individual Components: Synergies as the Key to Efficient Grinding Processes.	Dr.-Ing. Leif Behrens DR. KAISER DIAMANTWERKZEUGE GmbH & Co. KG
13:30 - 14:00	Spherical Grinding: Perfect Roundness for Hip Implants and Ball Joints in Mechanical Engineering.	Daniel Knapp Tyrolit GmbH
14:00 - 14:30	Intelligent Grinding Wheel Control for Self-Optimizing Grinding Processes.	Prof. Dr.-Ing. Dr. h. c. Hans-Christian Möhring Institute for Machine Tools   University of Stuttgart
14:30 - 15:00	Grinding of Cemented Carbides with Cobalt-Free and Reduced-Cobalt Binders.	M. Sc. Peter Breuer MTI - Manufacturing Technology Institute   RWTH Aachen University
15:00 - 15:30	Grinding Between Science and Practice: Understanding the Perfect Surface.	Prof. Dr.-Ing. Paul Helmut Nebeling Reutlingen University
15:30 - 16:00	Cooking Makes You Happy. Eating Too! A Passion for Enjoyment.	Verena Martin Hirschen Mundelfingen
from 16:00	Company tour	Adelbert Haas GmbH
from 17:30	Get-together	Registration is requested



## Friday, 14. November

Dialog	Leading Minds	
from 09:00	Welcome	Adelbert Haas GmbH
09:30 - 10:00	Virtual Solutions for Grinding Technology.	Prof. em. Dr.-Ing. Dr. h.c. Konrad Wegener Inspire - Institute for Machine Tools and Manufacturing
10:00 - 10:30	Competitive Advantages through Erosive Dressing Technology and Automation.	Hans-Jürgen Pelzers MITSUBISHI ELECTRIC EUROPE B.V.
10:30 - 11:00	Characterization of Grinding Tool Topography as a Basis for the Design and Simulation of Grinding Processes.	Dr.-Ing. Monika Kipp Institute of Machining Technology   TU Dortmund
11:00 - 11:30	Productivity Improvement through Inline Surface Measurement of Grinding Tools.	Adrian Wanek Institute for Materials Technology and Plastics Processing [IWK]   OST - Eastern Switzerland University of Applied Sciences
11:30 - 12:00	The Precision Tool Mechanics Industry in Transition: Economic Situation, Global Challenges, and Skilled Labor Demand.	Prof. Dr.-Ing. Wilfried Saxler Fachverband der Präzisionswerkzeugmechaniker e.V.
12:00 - 13:00	Lunch	
13:00 - 13:30	AI Applications in ZOLLER Metrology.	Tillmann Zoller E. ZOLLER GMBH & CO. KG
13:30 - 14:00	Rethinking the Process Chain: End-to-End Process Solutions with CBN, Diamond, and Sintered Corundum - Efficient, Precise, and Cost-Effective.	Alen Velcic Mirka GmbH
14:00 - 14:30	3/7? Weekend Production Without Personnel?	Jan Herzog Utilis GmbH
14:30 - 15:00	From Malt to Glass.	Philipp Schumpp Philipps Braumanufaktur
from 15:00	Closing Remarks	Adelbert Haas GmbH

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