

Speakers

Day 1 | 15 June



Bruker alicona

9:00 am – 9:30 am

Hans-Christian Möhring

Director Institute for Machine Tools IfW
University of Stuttgart
Germany



Prof. Dr.-Ing. Hans-Christian Möhring is the director of the Institute for Machine Tools (IfW) at the University of Stuttgart. In 1999, he finished his studies in mechanical engineering at the Leibniz University Hannover and received his diploma. From 2000 to 2012, he worked as a scientific assistant at the Institute of Production Engineering and Machine Tools (IFW) at the same university. He was the head of the department "Machines and Controls" of the IFW between 2002 and 2012 as well as chief engineer of the IFW between 2005 and 2012. In 2008, Prof. Möhring achieved the degree Dr.-Ing. (summa cum laude). He received several scientific awards, i.a. the Otto-Kienzle award of the German Academic Society for Production Engineering (WGP) and the Dr.-Jürgen-Ulдерup award. From 2012 to 2017, Prof. Möhring was University Professor and Chair of Production Equipment at the Otto-von-Guericke-University Magdeburg. Since 2012, he is Associate Member of the International Academy for Production Engineering (CIRP). Since 2017, Prof. Möhring is University Professor and director of the Institute for Machine Tools at the University of Stuttgart. Also since 2017, he is member of the German Academic Society for Production Engineering (WGP). In October 2019, he became the dean of the Faculty of Engineering Design, Production Engineering, and Automotive Engineering. He is also in responsible positions of several scientific associations. Main research fields are: Machine Tools and their Core Components, Manufacturing Processes, Lightweight material processing, Modelling and Simulation, Additive-Subtractive Process Chains, and Self-optimizing machining systems.

9:45 am – 10:15 am

Michael Reisacher

Head of R&D
DMG MORI Ultrasonic Lasertec
Germany



As technical director, Martin Reisacher is responsible for the Research & Development group of LASERTEC products at DMG MORI Ultrasonic Lasertec GmbH. After studying electrical engineering, he began his professional career in the test field for milling machines at MAHO AG and then switched to the development of laser technology. In 1994, he and four associates founded LASERTEC GmbH, where the fundamentals for the area of laser ablation were developed. He was responsible for the development of the PowerDrill technology beginning in 2003 and developed the PrecisionTool series in 2010. His latest development is the LASERTEC DED hybrid series. Here, conventional milling technology is combined with additive powder nozzle deposition welding in one machine.

Speakers

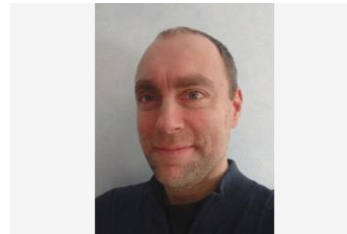
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10:30 am – 11:00 am

Michaël Fontaine

Assistant Professor
ENSMM, Micro Mechanics Engineering School
France



Dr Michaël Fontaine is an Assistant Professor at ENSMM, the micro mechanics engineering school in Besançon, France. Following a Mechanical Engineering degree and PhD Thesis in mechanics, he specialized in micromechanics and micromachining in the Applied Mechanics Department of FEMTO-ST Institute. His research work is focused on experimentation and modeling in machining and micro-machining including advanced modeling of milling operations, study and modeling of micro-cutting, optimization of micro-milling tools, process integration for the production of high value-added micro-components, including optical metrology measurements.

11:15 am – noon

Michael Marxer

Lecturer for Production Metrology Eastern
Switzerland University for Applied Sciences
Switzerland



Michael Marxer studied precision engineering at the NTB in Buchs (Switzerland) and obtained his doctorate in the field of coordinate metrology from the University of Erlangen-Nuremberg (Germany) while working as a research assistant at the NTB. In his current position as lecturer for production metrology at the OST - Ostschweizer Fachhochschule he teaches the subjects quality management and production metrology as well as 3D coordinate metrology in the bachelor and master courses. At the IMP Institute, in addition to teaching, he is involved in applied research and development projects in the fields of coordinate and surface metrology, education and training for industry, and management of the calibration laboratory.

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2:00 pm – 2:30 pm

David Scherrer

Business Development Manager
Universal Robots
Austria



David Scherrer joined Universal Robots (UR) in 2019 and is responsible for the Austrian market. His tasks are the support and further expansion of the partner network in Austria by coordinating sales and marketing activities. For David, it was above all his fascination with robots that prompted him to take up the position of Business Development Manager Austria. With his work, he wants to give Austrian SMEs (small and medium sized enterprises) the opportunity to automate cost-effectively and efficiently in order to secure the competitiveness of this high-wage location. What particularly inspires him about his work is the diversity of his areas of responsibility (sales, marketing, technology, project management) and the great cooperation with an international network of partners.

Speakers

Day 2 | 16 June



9:00 am – 9:30 am

Richard Leach

Professor in Metrology
University of Nottingham
UK



Richard is currently a professor in metrology at the University of Nottingham, Director of the Midland Centre for Data-Driven Metrology and prior to this spent 25 years at the National Physical Laboratory. He has been researching and lecturing on surface metrology for 31 years. Richard is on the Council of the European Society of Precision Engineering and Nanotechnology, the Board of Directors of the American Society of Precision Engineering and several international standards committees. He is the European Editor-in-Chief for Precision Engineering, has over 530 publications including eight textbooks. Richard is a Fellow of the Institute of Physics, the Institution of Engineering & Technology, the Institute of Measurement & Control, the Higher Education Academy, the International Society of Nanomanufacturing, the International Academy of Production Engineers, a Sustaining Member of the American Society of Precision Engineering, a Chartered Engineer and a Chartered Physicist. He is a visiting professor at Loughborough University and the Harbin Institute of Technology. In 2019, Richard was awarded the Finkelstein medal from the Institute of Measurement & Control for notable contributions to measurement internationally.

9:45 am – 10:30 am

Vivian Schiller

Research Associate
Karlsruhe Institute of Technology
Germany



Vivian Schiller, born in 1994, is a research assistant at the wbk Institute of Production Engineering at the Karlsruhe Institute of Technology. Previously, he studied mechanical engineering (M. Sc.) at RWTH Aachen University. At the wbk, his thematic focus is on intelligent quality control loops, pairing strategies and in-line metrology for the production of high-precision components.

Speakers

Day 2 | 16 June



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10:45 am – 11:15 am

Frank Uibel

Managing Director
Uibel Consulting
Germany



Frank Uibel has been an expert in press-fit technology for many years. The current owner of Uibel Consulting started his career as a toolmaker, passed through stations in quality management, marketing, sales including sales management. As a managing partner he was additionally responsible for product management for press-fit zones. With his current consulting company "Uibel Consulting" he supports companies in all sales and technical agendas around press-fit technology and galvanic surfaces. Since 2017, Uibel Consulting has been a member of the global IPC trade association, which represents the PCB and electronics assembly industries, their customers and suppliers.

11:30 am – 12:15 pm

Steffen Schoellhammer

Manager Toolshop
TE Connectivity
Germany



Steffen Schoellhammer, Master of Science in Mechanical Engineering, is currently Toolmaking Manager at TE Connectivity in Wört. During his studies, he gained experience in simulation, design and process development at Daimler AG and Porsche AG, among others. With the theoretical know-how and further management training, Steffen Schoellhammer took over his position as Tool Shop Manager in May 2020. At the tool shop facility in Wört, progressive dies are first developed, then the components are manufactured, and finally the tool is assembled and released for series production. For Schoellhammer, simulation and reverse engineering are essential for meeting the increasing complexity of products and processes.

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11:30 am – 12:15 pm

Uwe Soldner

Manager Toolshops EMEA
TE Connectivity
Germany



Uwe Soldner, Manager Toolshops Europe, has been with TE Connectivity for 35 years. Currently, this includes 14 tool shops with 460 employees that exclusively produce tools for the automotive sector. Previously, he was the head of new toolmaking at the Wört Competence Center for 10 years, focusing on the development and construction of progressive dies. As head of work preparation and technical purchasing, he organized the economical production or procurement of the required components for 6 years. In the 12 years as a toolmaker in new toolmaking, a lot of practical experience was gained through positions such as group leader, shift leader and specialist. The start at TE took place over a period of 4 years as a machinist in milling, grinding, die-sinking and wire EDM. According to Soldner, Bruker Alicona plays an important role for the future for reproducible manufacturing, ensuring simulation and practice and thus also for the use of AI in tool development.

2:00 pm – 2:30 pm

Thomas Lankmair

Director Application Competence Center
Bruker Alicona
Austria



Thomas has been part of the Bruker Alicona team since 2011 and started his career as an application engineer. Our colleague is a "full-blooded technician" with a passion for everything that is non-standard. He joined Bruker Alicona directly after his formal education (HTL for mechanical engineering/manufacturing technology), and later, on the job, continued studying Innovation Management (Campus 02, Graz). At Bruker Alicona, he switched to sales after a few years managing Switzerland. After a while, he combined his experience from applications and sales (plus his preference for non-standard things) and became team leader of the "Customized Solutions" department. Today, Thomas heads Bruker Alicona Application Competence Center, which includes both, Applications and Customized Solutions groups.

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2:45 pm – 3:30 pm

Kevin Mathy

Application Expert
Bruker Alicona
Austria



Kevin has been part of the Bruker Alicona team as an application engineer since 2016. With his education as a production technician (turning, milling, quality assurance) and electrical engineer, he brought the user's perspective with him right from the start, which is an ideal prerequisite for the role as application and support engineer. The fact that Kevin is also an active member of the fire department has certainly not been a disadvantage in terms of support either... Today, with more than 100 installations worldwide our well-traveled colleague from the Application Competence Center (ACC) specializes in projects and inquiries on the topics of automation and process control.

Speakers

Day 3 | 17 June



Bruker alicona

9:00 am – 10:00 am | Round Table Additive Manufacturing

Robin Day

Head of Department „Directed Energy Manufacturing“
Fraunhofer Institute for Production Technology IPT
Germany



Robin Day, born in 1989, studied Aerospace Engineering at the University of Stuttgart, specializing in "Design and construction of Aerospace Vehicles" and "Drive and Energy Systems in Aerospace engineering". He graduated with a Master of Science in 2016. During his studies Robin worked for Lufthansa Technik in Frankfurt, N3 Engine Overhaul Services in Erfurt and Airbus Helicopters in Donauwörth. Prior to his further scientific career, he was interim CEO of the general aviation maintenance facility Aircraft Service in Mainz. In 2017 he continued to deepen his knowledge in Additive Manufacturing, especially in Laser Powder Bed Fusion (LPBF), as a PhD Student at the RWTH Aachen University Chair for Digital Additive Production. Since 2020 Robin heads the department of Directed Energy Manufacturing at the Fraunhofer Institute for Production Technology IPT Aachen Germany.

9:00 am – 10:00 am | Round Table Additive Manufacturing

James Hunt

Head of Strategy for Additive Manufacturing
AMRC, University of Sheffield
UK



James Hunt is Head of Strategy for Additive Manufacturing within the University of Sheffield's AMRC (Advanced Manufacturing Research Centre). Following 10 years in an industrial research environment he joined the University of Sheffield to develop metal additive manufacturing capability within the materials engineering department. In 2016 he moved to the AMRC to coordinate AM activities and work closely with industry partners to industrialize the end-to-end process from powders to parts. He is actively engaged in delivering on the UK's National Strategy for AM alongside colleagues from the other HVM (High Value Manufacturing) centers.

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9:00 am – 10:00 am | Round Table Additive Manufacturing

Henry Greenhalgh

Engineer
HiETA Technologies
UK



Henry Greenhalgh is a Materials and Applications Engineer at HiETA Technologies. Prior to starting at HiETA in 2016, Henry trained as a Mechanical Engineer before working as a Design Engineer at Rolls Royce. He has recently taken responsibility for overseeing the development and control of the form of the additively manufactured features that HiETA produces. Henry has a keen interest in the mechanical performance of products both from a metallurgical and form perspective. Additive Manufacture presents many opportunities in this area.

10:30 am – 11:00 am

Franz Helml

R&D Director
Bruker Alicona
Austria



Franz has been a member of the Bruker Alicona team since its foundation in 2001. Franz loves mathematics and astrophotography, having also studied technical mathematics at the Graz University of Technology in Austria. If there is such a thing as a metrology footprint, Franz has left it as R&D manager in all 3D optical form and roughness measurement systems that Bruker Alicona has launched in the last 20 years. He is also a standardization expert and as such he is active in international standardization. His activities include, for example, participation in ISO/TC 213 (Geometrical Product Specifications and Verification) and his function as vice head of the VDI/VDE-GEMA technical committee 3.64, which, among other things, develops new standards for measurement and evaluation of edges and radii.

Speakers

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10:30 am – 11:00 am

Stefan Lehmann

Software Developer
Bruker Alicona
Austria



Stefan joined the Bruker Alicona team as a software developer in 2009. Having studied informatics at the Technical University Berlin, he soon left his footprint in the various software modules that bring Bruker Alicona measurement instruments to life. His devotion to software development and the increasing domain knowledge in metrology prepared him for the next steps: After some years Stefan took responsibility in the roles of software architect and UX designer. When work on MetMaX started, he was finally assigned to lead the development of Bruker Alicona's long awaited software. Since then he has devoted himself to create a whole new experience for Bruker Alicona users.

2:00 pm – 2:30 pm

Soran Jota

Managing Director
Otec Präzisionsfinish
Germany



Soran has been with OTEC since the first day of its foundation in 1996. He studied Commercial Management in Karlsruhe (Germany) and took over all sales responsibilities at OTEC. In doing so, he established an international sales network over the globe. Today, as a managing director, he is responsible for Commercial Management, Sales and Human Resources. His passion for mass finishing drives him to worldwide identify and establish new market potentials.

Speakers

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2:45 pm – 3:15 pm

Kerstin Zangl

Software Developer
Bruker Alicona
Austria



Kerstin Zangl has been part of the Bruker Alicona Research & Development team since 2011. Kerstin studied technical mathematics (branch: information processing) at the Graz University of Technology, where she also completed her PhD in the field of image processing. After her graduation she joined Bruker Alicona as a software developer. Today, the mother of two is also increasingly in demand as an author of scientific publications at Bruker Alicona. Moreover, as an IP and standardization expert she closely works with our R&D Manager Franz Helmlí in the field of standardization. She supports him in ISO activities and is actively involved in the development of the new VDI/VDE standards series 2654 for cutting edge characterization.

4:00 pm – 4:30 pm

Trent Woodcock

Applikationsingenieur
Third Wave Systems
US



With a degree in Mechanical Engineering from the University of Minnesota, Trent started at Third Wave Systems on the applications engineering team in 2017. Initially supporting distributors of TWS software, Trent now trains global users and provides application support across the aerospace, automotive, medical, and electronic device industries.

Speakers

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4:45 pm – 5:30 pm

Mark Raleigh

Managing Director
EDM Intelligent Solutions
US



With 30 years of EDM experience, Mark Raleigh has developed micromanufacturing procedures for the telecommunication, medical, and aerospace industries. In 1998 he founded the EDM Department Inc, as a manufacturing service for prototype and production tooling. In 2008 the EDM Department started offering 3D metrology services along with its manufacturing services and in 2016 became EDM Intelligent Solutions (EDMIS). In 2019 EDMIS began its "Make and Measure" campaign for its Aerospace clients and now offer intelligent inspection solutions for its contract manufacturing customers in all industries served.
