

INVITATION

Machining Innovations Conference for Aerospace Industry

February 04th and 05th 2026

At the Hannover Centre for Production Technology



CUTTING-EDGE TECHNOLOGIES AND DIGITAL SOLUTIONS FOR NEXT-GENERATION AEROSPACE

Resource constraints, rapid technological advances and evolving global demands are shaping the future of aerospace. At MIC2026, celebrating its 25th anniversary, the focus is on how cutting-edge technologies and digital solutions can enable the next leap in aviation and aerospace manufacturing. What does the future of intelligent production look like? How can digitalisation unlock new capabilities, increase efficiency and enhance reliability?

Experts from tool and machine tool manufacturing, aerospace production, and leading research institutions will share insights into the latest developments, trends and innovations shaping the industry at MIC2026.

The programme for MIC2026 is now available. Discover the sessions, presentations and thematic highlights that await you this year:

Host

This conference is hosted by the Manufacturing Innovations Network e.V. in cooperation with the Institute of Production Engineering and Machine Tools of the Leibniz University Hannover, Germany.

Harald Schmitz

Head of the Board of the
Manufacturing Innovations Network e.V.,
Manager at Airbus Aerostructures GmbH

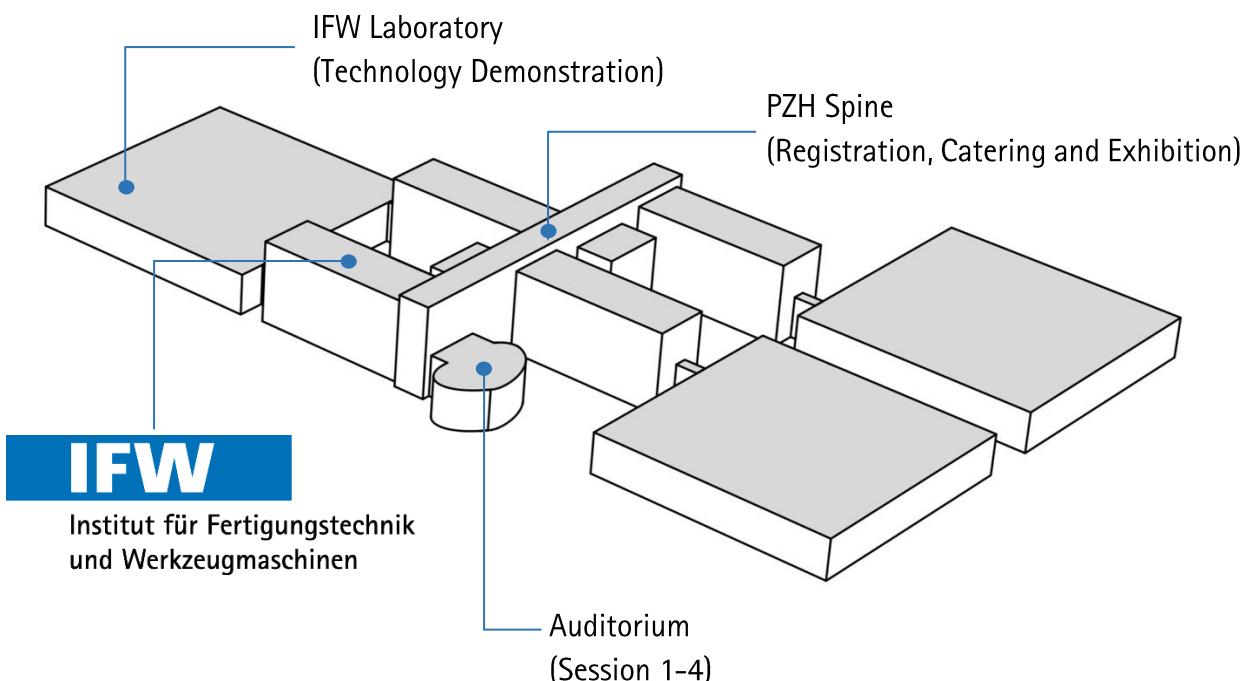
Prof. Dr.-Ing. Berend Denkena

Head of Institute of Production Engineering
and Machine Tools of the Leibniz Universität
Hannover

Conference Structure

4th February 2026	5th February 2026
Keynotes	Keynotes
Session 1: Speeches of Industry & Science	Session 3: Speeches of Industry & Science
Lunch Break & Technology Demonstration	Lunch Break
Session 2: Speeches of Industry & Science	Session 4: Speeches of Industry & Science
Evening Gala	End of Conference

Overview of the PZH



Welcome Speech

09:00 a.m. **Introduction Speech for the Machining Innovations Conference 2026**
Prof. Dr.-Ing. Berend Denkena, Leibniz University Hannover

Keynote Speech

09:15 a.m. **Aircraft Production in the Context of Changing Modern Requirements**
Dr.-Ing. Jörg Schaupp, Site manager, Airbus Aerostructures Stade

Keynote Speech

09:45 a.m. **Increased Productivity on Reliable Process for Aerospace Components**
Masaki Kashiwagi, Aerospace Group Manager, Makino Milling Machine Co.

10:15 a.m. Introduction of the Exhibitors**10:30 a.m. Exhibition & Coffee Break****11:00 a.m. Ready for Take-Off? Additive Manufacturing of Titanium for Aerospace Applications**

Prof. Dr.-Ing. Christoph Leyens, Fraunhofer Institute for Material and Beam Technology

11:30 a.m. Aerospace Innovation: Integrating Large, Safe and Sustainable Jet Engine Parts Through Additive Fabrication

Henrik Willgoths, Director BD & Sales, GKN Aerospace Material Solutions

12:00 p.m. Tool Systems for the Resource-Efficient Production of Structural Components in Aircraft Construction

Ingo von Puttkamer, Key Account Aircraft, Gühring

12:30 p.m. Lunch Break & Technology Demonstration**02:30 p.m. Fueling Aerospace Productivity with Advanced Digital Tool Data**

Dr.-Ing. Alexander Krödel, Sr. Manager Digital Innovation Technology, Kennametal

03:00 p.m. Paper Presentation**03:30 p.m. Exhibition & Coffee Break****04:00 p.m. umati – Connecting the World of Machinery**

Dr.-Ing. Alexander Broos, Head of Research and Technology, VDW e. V.

04:30 p.m. Virtual Solutions for Real-World Challenges: Simulation in the Manufacturing of Safety-Critical Aerospace Components

Dr.-Ing. Adina Grimmert, Representative Simulation of Production Processes, MTU Aero Engines

05:00 p.m. End of First Conference Day**07:30 p.m. Evening Gala**

Altes Rathaus / Old Town Hall Hannover

Welcome Speech (Auditorium)

09:00 a.m. **Goals and Challenges in the Aerospace Industry**
Manufacturing Innovations Network e.V.

Keynote Speech

09:15 a.m. **Challenges and Solutions of a Medium-Sized German Company in the Global Aviation Market**
Dr.-Ing. Kai Brüggemann, CEO, Deharde

Keynote Speech

09:45 a.m. **Facing Today's Challenges in Machining – A Mid-Sized Manufacturer's Perspective**
Caroline Pötzl, CEO, Kieselmann

10:15 a.m. **Exhibition & Coffee Break**

11:00 a.m. **The Next Level of Machine Tool Integrated Tool Wear Monitoring**
Dr.-Ing. Jens Kummetz, Director Technical Academy, HEIDENHAIN

11:30 a.m. **Smart Manufacturing in Aerospace: Connecting Robotic Machining Processes, Process Control, and Quality Monitoring with Digital Twin and AI**
Markus Stoyke, R&T Manager Robotics, Broetje-Automation Group

12:00 p.m. **Paper Presentation**

12:30 p.m. **Lunch Break and Poster Session**

02:00 p.m. **High Dynamic Turning 2.0 – Unlocking New Potentials**
Dr.-Ing. Volker Sellmeier, Head of Technology and Support, INDEX-Werke

02:30 p.m. **Reduction of Production Costs and Environmental Impact Through the Use of Compatible Component Cleaning / Metal Working Fluid Systems in Machining**
Stefan Joksch, Managing Director Technology and Production, Oemeta Chemische Werke

03:00 p.m. **Farewell Speech**

Prof. Dr.-Ing. Berend Denkena, Leibniz University Hannover

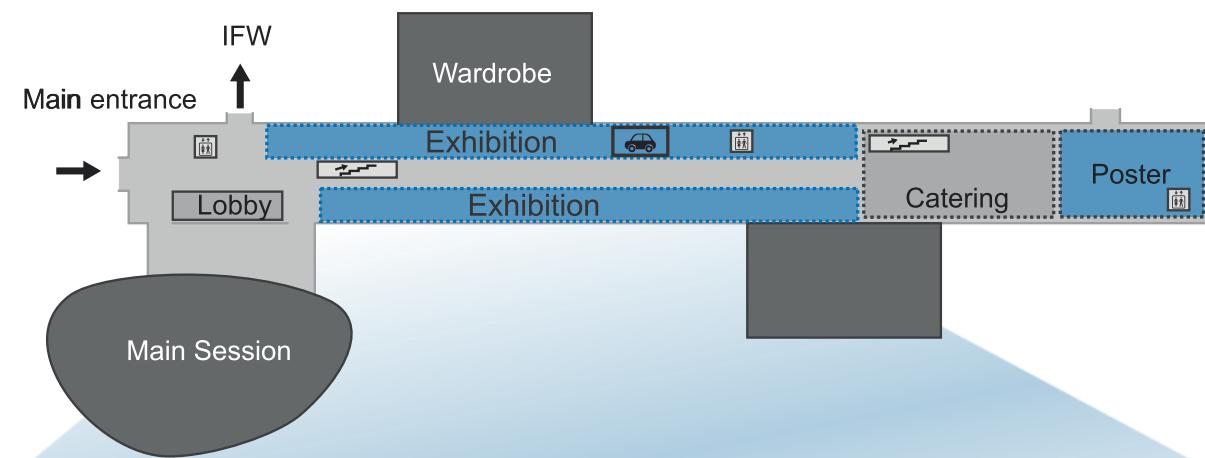
03:15 p.m. **End of the Conference**

45 min Guided Tours in the IFW Laboratory | Feb 4th 12:30 p.m.

Find out more about the research projects of the IFW. During guided tours through our laboratory, we show various projects featuring live demonstrations. This year's topics revolve around Sustainability and Digitalization.

The information will be communicated imminently.

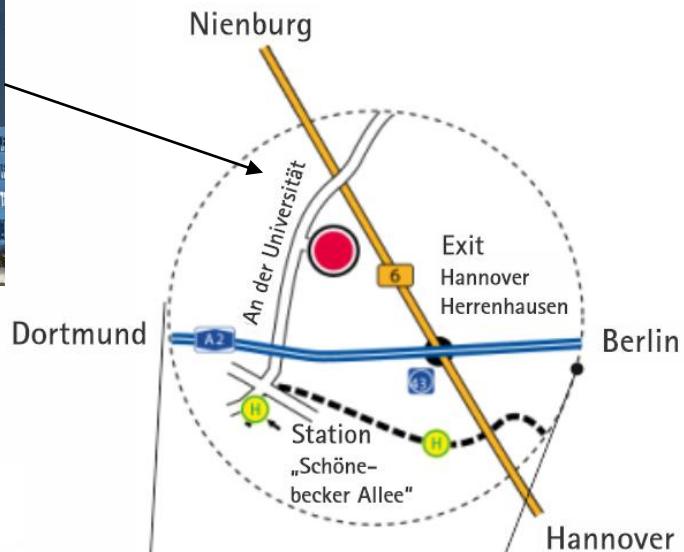
Exhibition Area





Hannover Centre for Production
Technology (PZH)
of the
Leibniz Universität Hannover
An der Universität 2
30823 Garbsen

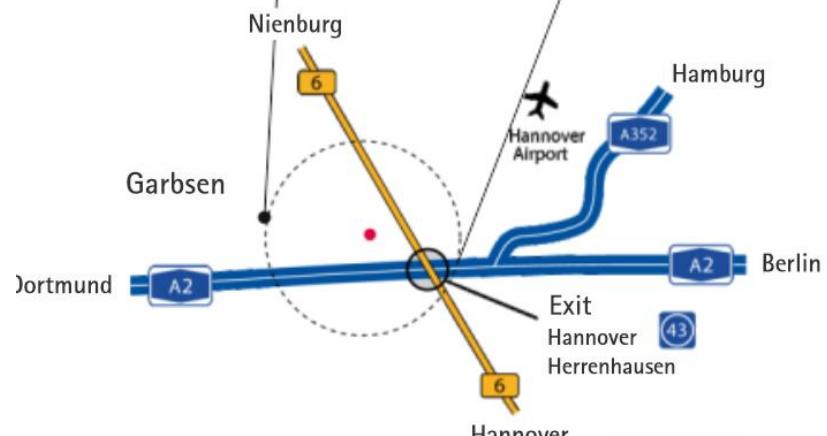
www.pzh.uni-hannover.de



Arrival

Car:

Leave the freeway A2 at exit "Herrenhausen", then follow the federal road B6 in the direction of Nienburg. Turn left onto the street "An der Universität". Take the third exit of the traffic circle and use the parking area to your left.



Public transportation:

Hannover Central Station → Kröpcke (8 min by foot or by tram lines 1, 2, 3, 7, 8, or 9) → change to Line 4 in the direction of Garbsen and get off at Schönebecker Allee → take the shuttlebus 404. You will need a ticket for this trip that includes the ticket zones A and B. The price will be about 4,50 € for a one-way ticket.

Plane:

Hannover Airport or any other airport → use the public transportation to get to Hannover's Central Station → follow the instructions under public transportation



The Altes Rathaus Hannover offers an exceptional setting for an unforgettable Evening Gala. Situated in the heart of the historic Old Town, this beautifully restored landmark blends medieval brick-gothic architecture with contemporary elegance, creating a unique and atmospheric backdrop for tonight's event.

As Hannover's oldest surviving secular building, the Old Town Hall has been carefully revitalised over the centuries, most recently with a modern glass-covered courtyard that adds light and sophistication while preserving its timeless character.

We hope that you enjoy the selected menu. Shuttles will bring you to the evening gala and return you to your accommodation afterward.

Program Overview | Feb 4th

07:30 p.m.	Opening of the Evening Gala
08:00 p.m.	Words of Professor Denkena
08:30 p.m.	Dinner
09:30 p.m.	Social Hour

Address

Schmiedestraße 3
30159 Hannover

For your stay in Hanover, we have selected hotel near the conference venue or the gala location. Please contact all hotels directly for bookings. It is not possible to book via the keyword "MIC2026". The accommodation option are listed below:

Concorde Hotel Am Leineschloss****

Am Markt 12
30159 Hannover
Phone: +49 511 357910
leineschloss@concorde-hotels.de



Hotel Landhaus am See****

Seeweg 27-29
30827 Garbsen
Phone: +49 5131 4686-0
info@landhausamsee.de



Novotel Suites Hannover City***

Rundestraße 9
30161 Hannover
Phone: +49 511 374500
h3755@accor.com





We look forward to welcoming you at the
PZH in Garbsen!

For further information, please visit the website:

[\(https://www.mic-conference.com/\)](https://www.mic-conference.com/)

