

# New Production Technologies in Aerospace Industry

*Machining Innovations Conference*



September 18<sup>th</sup> and 19<sup>th</sup> 2013  
in Hannover at the EMO



**MACHINING**  
INNOVATIONS NETWORK

**IFW**

Institut für Fertigungstechnik  
und Werkzeugmaschinen

## Advanced Technology Carrier: Aerospace Industry



DIPL.-ING. CORD SIEFKEN  
CHAIRMAN OF THE MACHINING  
INNOVATIONS NETWORK E. V.  
PLANT MANAGER AT PREMIUM AEROTEC  
GMBH, NORDENHAM

Dear Sir or Madam,

the aerospace industry as one of the leading sectors in Europe calls, due to the long-term planning intervals, for the constant development of modern production technology. The demand of this future-oriented market for a resource-efficient production with high productivity and a maximum quality rate requires a continuous technical development within the branch.

In this area of tension the production technology with its innovative machines, new production engineering and efficient structures makes an essential contribution to the further development of globally active companies.

### New Production Technologies in Aerospace Industry

You are cordially invited to our 13<sup>th</sup> Aerospace Conference connected with the Machining Innovation Conference in 2013. As in recent years, experts and scientists will report on current trends, research results, innovations and challenges within production engineering. The Machining Innovations Conference will be held in connection with the EMO, which provides with its motto „Intelligence in Production“ an appropriate framework for the professional linking-up of future-oriented ideas. To meet your needs of the EMO the event will be held during the afternoon of September 18<sup>th</sup> and during the morning of September 19<sup>th</sup>.

## Our Contribution to the Evolution of the Industry



PROF. DR.-ING. BEREND DENKENA  
BOARD MEMBER OF THE MACHINING  
INNOVATIONS NETWORK E. V.,  
HEAD OF THE INSTITUTE OF PRODUCTION  
ENGINEERING AND MACHINE TOOLS,  
LEIBNIZ UNIVERSITÄT HANNOVER

The focus of this year's Aerospace Conference are the energy-efficient tool and machine concepts as well as the handling of innovative materials. These concepts will be further emphasized by methods of sustainable process planning. For the first time declared scientific presentations complete the event by discussing latest development trends and results. That enables close networking of industry and research at an international level.

A guided tour of the IFW's test field and the EMO provides a detailed insight into current research- and application-oriented subject areas.

We look forward to having animated discussions and a lively exchange of experiences with you in Hannover!

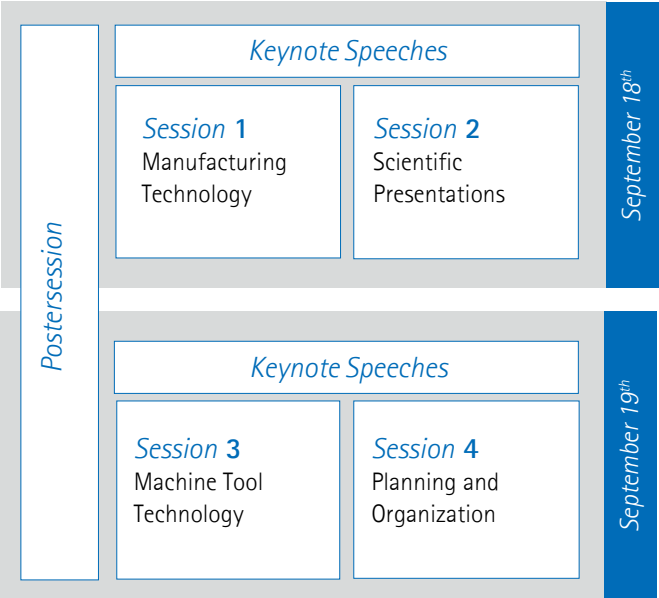
A stylized, handwritten signature in black ink, appearing to read 'C. Siefken'.

Cord Siefken

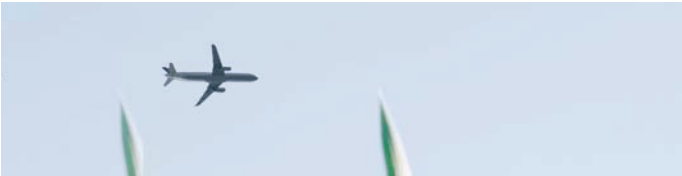
A stylized, handwritten signature in black ink, appearing to read 'B. Denkena'.

Berend Denkena

# Program Overview



- Session 1
  - ▶ Production of Structural Aircraft Components
  - ▶ Production of Turbine Components
  - ▶ Tools and Process Technology
- Session 2
  - ▶ Scientific Presentations including Topics of the Sessions 1, 3 and 4
- Session 3
  - ▶ Machine Tool Concepts
  - ▶ Automation
  - ▶ Complete Machining
  - ▶ Precision Machining
- Session 4
  - ▶ Process Planning
  - ▶ Manufacturing Organization
  - ▶ Process Monitoring
  - ▶ Process Simulation



## Participation

The number of participants is limited. The participation fee includes conference documents, two lunches, one dinner, coffee and soft drinks during the breaks and a shuttle service between the PZH and the conference venue. All presentations will be translated simultaneously into English and German.

The certificate of participation and invoice will be sent to you after receiving your registration. If you cancel your registration by July 31<sup>st</sup> 2013, we will refund the participation fee deducting an administrative charge of 50 €. Otherwise, the participation fee must be paid in full.

For further information about the conference and hotel reservations please visit the website of the Machining Innovations Network e.V.  
**[www.machining-network.com/conference](http://www.machining-network.com/conference)**

## Conference Venue

Convention Center (CC) on the Exhibitionground Hannover.

## Host

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

### **Dipl.-Ing. Cord Siefken**

Chairman of the Machining Innovations Network e.V.  
Plant Manager at Premium AEROTEC GmbH, Nordenham

### **Prof. Dr.-Ing. Berend Denkena**

Board Member of Machining Innovations Network e. V.  
Head of Institute of Production Engineering and Machine Tools  
of Leibniz Universität Hannover  
Hannover Centre for Production Technology (PZH)

## Contact

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## Registration

Fax +49 511 762 5115

I hereby acknowledge my participation in the conference "NEW PRODUCTION TECHNOLOGIES IN THE AEROSPACE INDUSTRY" on September 18<sup>th</sup> and 19<sup>th</sup> 2013 in Hannover, Germany. Please send me a certificate of participation (please mark with a cross where applicable).

- ☐ 550 € per person  
(participation on September 18<sup>th</sup> and 19<sup>th</sup> 2013)
- ☐ 450 € for members of the Machining Innovations Network e.V.  
(participation on September 18<sup>th</sup> and 19<sup>th</sup> 2013)
- ☐ 350 € per person  
(participation on September 18<sup>th</sup> 2013)
- ☐ 350 € per person  
(participation on September 19<sup>th</sup> 2013)



Produktionstechnisches  
Zentrum Hannover



September 18<sup>th</sup> and  
19<sup>th</sup> 2013 in Hannover  
at the EMO

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Last Name

First Name

Titel

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Company/Institute

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Address

ZIP Code, Residence

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Phone

Fax

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E-Mail

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If you wish to register further participants, please make copies and send the information separately. The above-mentioned data will be included in the list of participants, which will be handed over to each conferee.

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Place, Date

Signature