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10th Jubilee

- I agree to the conditions of attendance and hereby register for the
10th Powertrain Machining Conference (11-12 November 2009) in Fellbach.
 Conference Fee: € 920.- · Subscribers of **WB Werkstatt + Betrieb** and project partners of **PTW**: € 850.- · All Prices plus German VAT
- I register for the Networking Event at Porsche Museum Stuttgart on 11 November 2009 (included in conference fee).
- I register for the visit on 12 November at (limited number of participants): Daimler AG EMAG Salach Maschinenfabrik GmbH (included in conference fee)

Register now!

Participant:

 Company address Private address

First name	Name
Company	
Industry Sector	
Department	Function
Street/ P.O. Box	
State/ZIP Code/City	
Telephone	Fax
E-Mail	

Invoice address (if different):

 Company address Private address

First name	Name
Company	
Street/ P.O. Box	
State/ZIP Code/City	
Date/ Signature	

 I am a subscriber of **WB Werkstatt + Betrieb** or project partner of **PTW**.www.machining-conference.de

POWERTRAIN MACHINING CONFERENCE

11-12 November 2009, Fellbach near Stuttgart **2009**

Survival strategies in times of crisis, cost reduction and technology progress

New demands from low cost cars · Production concepts for OEM in dynamic markets · Innovations in cutting tool and coating developments · Ressource and energy efficient production · Innovations in process integration

Visit production sites

+++ Daimler AG: V-engine production

+++ EMAG Salach Maschinenfabrik GmbH: Process integration peel turning



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- Organization and Exhibition:** Carl Hanser Verlag · Lucia Wild · Kolbergerstrasse 22 · 81679 Munich/Germany · Tel.: +49/89/998 30-674 · Fax: +49/89/998 30-157 · seminare@hanser.de
- Program:** Institute of Production Management, Technology and Machine Tools (PTW) · Technische Universität Darmstadt · Patrick Pfeiffer · Petersenstrasse 30 · 64287 Darmstadt/Germany · Tel.: +49/6151/16-6624 · Fax: +49/6151/16-3356
- New Location:** Schwabenlandhalle next to Classic Congress Hotel · Tainer Strasse 7-9 · 70734 Fellbach/Germany
- Attendance Fee:** € 920.- · Subscribers of **WB Werkstatt + Betrieb** and project partners of **PTW**: € 850.- (plus German VAT)
- Registration and cancellation:** Please register in written form. The registration is not binding until you have received a written confirmation and paid the attendance fee. A cancellation is possible for a service charge of € 75,- plus German VAT until two weeks before the conference. For a request received after that date, the fee is non-refundable. We kindly ask you to cancel your registration in writing, either by mail, email, or fax.
- Payment:** Please make sure that the attendance fee is paid 14 days prior to the conference. Otherwise we would have to ask you to pay via creditcard or show the transfer voucher.
- Acomodation:** A limited number of rooms at a special price is reserved for the participants. Please book by yourself until 4 weeks before the conference start and use the keyword »Hanser Verlag« in the following hotel: Classic Congress Hotel · Tainer Strasse 7-9 · 70734 Fellbach/Germany · Tel.: +49/711/58 59-0 · Fax: +49/711/58 59-304 (Price: € 120.- incl. breakfast). More options: Hotel zum Hirschen · Hirschstrasse 1 · 70734 Fellbach/Germany · Tel.: +49/711/957937-0 (5 minutes away from the Schwabenlandhalle)

Program Committee



Prof. Dr.-Ing. Eberhard Abele
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» PTW Technische Universität Darmstadt



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Managing Director
» Gebr. Heller Maschinenfabrik GmbH



Dr. Wolfgang Jütting
Head of Machine Tool Technology
» Daimler AG



Dr. Andreas Mootz
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» EMAG Automation GmbH



Dr. Dieter Kress
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» MAPAL Dr. Kress KG



Dr. Ulrich Reuter
Head of Production Planning
» Audi AG



Jacek Kruszynski
Managing Director
» Boehlerit GmbH & Co. KG



Dr. Dietmar Sahn
Manager Strategic Planning & Manufacturing Service
» GM Powertrain Germany GmbH

Organized by: **WB** Werkstatt + Betrieb
Zeitschrift für spanende Fertigung



Exhibitors:



Mobility will continue to be one of the most important issues for people's everyday lives. In order to meet CO₂, energy and resource saving targets the automotive industry introduces "green" Powertrain components. Therefore also the production concepts have to satisfy the environmental demands while still reaching highest quality standards and keeping track in the cost competition.

To be able to exist in this situation, suppliers and OEMs must react to challenges and trends with new developments and machining technologies. The **10th Powertrain Machining Conference** will give an overview and present well-approved solutions concerning powertrain and transmission components.



Prof. Dr.-Ing. Eberhard Abele

POWERTRAIN MACHINING CONFERENCE 2009

11-12 November 2009, Fellbach near Stuttgart

Your attendance will pay off! You will ...

- have the opportunity to learn about new manufacturing strategies, innovative machine tool concepts and the latest cutting tool solutions
- hear about cost and energy efficient solutions for manufacturing systems
- get in contact with key players for powertrain machining processes and technology during the accompanying exhibition
- have the opportunity to visit the production site of Daimler AG (V-engine production) or EMAG Salach Maschinenfabrik GmbH (Process integration peel turning)

Wednesday, 11 November 2009

08:15 am Registration

09:00 am **Opening**
Prof. Dr.-Ing. Eberhard Abele
» PTW, Technische Universität Darmstadt, Germany

09:10 am **Powertrain: Quo vadis?**
Prof. Dr. Herbert Kohler » Daimler AG, Stuttgart, Germany

Powertrain: challenges, trends and developments

Chairman: Prof. Dr.-Ing. Eberhard Abele,
» PTW, Technische Universität Darmstadt

09:30 am **Powertrain developments: the insights from an automotive supplier**
Dr. Wolfgang Reik
» LuK GmbH & Co oHG/Schaeffler Group Automotive, Bühl, Germany

09:55 am **Future Powertrains: challenges and trends**
Dr. Klaus Harms » Robert Bosch GmbH, Stuttgart, Germany

10:20 am **Implementation of lean management within Daimler trucks**
Jutta Lischke, Dr. Frank Hetz » Daimler AG, Woerth, Germany

10:45 am Coffee break

Three different production concepts for OEM in dynamic markets

Chairman: Manfred Maier » Gebr. Heller Maschinenfabrik GmbH

11:15 am **Engine production worldwide: standardized production modules**
Rudi Spieß » GM Powertrain Germany GmbH, Rüsselsheim, Germany

11:40 am **Segmented fabrication: central engine plant**
Dr. Ulrich Reuter » Audi AG, Ingolstadt, Germany

12:05 pm **Japanese production systems for powertrain components**
Dr. Bertrand Humeau » McKinsey & Company, Lyon, France

12:30 pm Lunch

Innovations in cutting tool and coating developments

Chairman: Rudi Spieß » GM Powertrain Germany GmbH

02:00 pm **Innovative tooling solutions for improved productivity with a focus on ecological aspects**
Dr. Moshe Goldberg » Iscar Ltd., Tefen, Israel

02:25 pm **PcBN and process know-how – enables for improved part quality and reduced costs**
Dr. Jochen Kress » MAPAL Dr. Kress KG, Aalen, Germany

02:50 pm **Coating evolutions: cost efficiency developments**
Jacek Kruszynski » Boehlerit GmbH und Co. KG, Kapfenberg, Austria

03:15 pm **Recent developments in cutting tool materials for powertrain applications**
Dr. Uwe Schleinkefer
» CERATIZIT Austria Gesellschaft mbH, Reutte, Austria

03:40 pm Coffee break

Resource and energy efficient production

Chairman: Jacek Kruszynski » Boehlerit GmbH und Co. KG

04:10 pm **Energy efficiency for machine tools: prospects, solutions, limits**
Andreas Schiffler, Prof. Dr.-Ing. Eberhard Abele
» PTW, Technische Universität Darmstadt, Germany

04:35 pm **Total dry engine production: practicable or just an illusion?**
Alexander Stoll » Ford Motor Company Ltd., Köln, Germany

05:00 pm **Innovations in crankshaft machining**
Dr. Bernhard Pause » MAG Europe GmbH, Stuttgart, Germany

05:25 pm **Conclusions 1st day**

Networking Event: Porsche Museum Stuttgart

6:30 pm Transfer
7:00 pm Guided tour through the exhibition
8:00 pm Stand-up reception and finger buffet
10:00 pm Transfer back to hotel

Thursday, 12 November 2009

08:30 am **Opening 2nd Day**
Prof. Dr.-Ing. Eberhard Abele
» PTW, Technische Universität Darmstadt, Germany

Innovations in process integration

Chairman: Michael Heselhaus » ZF Friedrichshafen AG

08:40 am **Multi-Pool Electron Beam Treatment of Powertrain Components with Low Distortion**
Dr. Matthias Wahl
» Pro Beam Sells GmbH, Klein-Winternheim, Germany

09:05 am **Ratio potential: laser welding of powertrain components**
Dr. Andreas Mootz » EMAG Automation GmbH, Heubach, Germany

09:30 am **Powertrain machine tool concepts: comparison from an economic point of view**
Dr. Joachim Dörr » Daimler AG, Stuttgart, Germany

09:55 am Coffee break

New demands from low cost cars

Chairman: Dr. Ulrich Reuter » Audi AG

10:25 am **Recent developments from the Indian machine tool sector**
S. Sreekanteswar » Bharat Fritz Werner Ltd., Bangalore, India

10:50 am **Virtual planning in machining operations: handle the flexibility**
Dr. Tom van't Erve
» Siemens PLM Software, Enschede, The Netherlands

11:15 am **Automotive production in the area of conflict between premium and low-cost**
Michael Heselhaus
» ZF Friedrichshafen AG, Friedrichshafen, Germany

11:40 am **Systematical approach for finding the best machine tool concept**
Dr. Andreas Behrendt » PTW/Bosch Rexroth AG, Lohr, Germany

12:05 pm **Sustainability and efficiency – a conflict?**
Dr. Dirk Kammermeier
» Kennametal Technologies GmbH, Fürth, Germany

12:30 pm **Conclusions 10th Powertrain Machining Conference 2009**

12:45 pm Lunch

01:45 pm Transfer to production sites

02:30 pm **Visit: Daimler AG or EMAG Salach Maschinenfabrik GmbH**

04:45 pm Transfer back to hotel

05:30 pm End of 10th Powertrain Machining Conference 2009