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 • Resources and energy efficient production • Innovations in process integration

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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

POWERTRAIN MACHINING CONFERENCE
11-12 November 2009, Fellbach near Stuttgart

Program Committee

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Register in written form. The registration is not binding until you have received a written confirmation and paid the attendance fee.

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 credit card or show the transfer voucher.

Accommodation: 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 hotels: Classic Congress Hotel • Tainerstrasse 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).

www.machining-conference.de
Wednesday, 11 November 2009

08:15 am Registration
09:00 am Opening
  Prof. Dr.-Ing. Eberhard Abele
  PMW Technische Universität Darmstadt, Germany
09:30 am Powertrain: Quo vadis?
  Prof. Dr. Herbert Fahrer
  Daimler AG, Stuttgart, Germany

Powertrain: challenges, trends and developments

Chairmen: Prof. Dr.-Ing. Eberhard Abele
             PMW Technische Universität Darmstadt
09:30 am Powertrain developments: the insights from an automotive supplier
  Dr. Wolfgang Reik
  Dr. Frank Hetz
  Daimler AG, Stuttgart, Germany
09:55 am Future Powertrain: challenges and trends
  Dr. Klaus Herrmann
  Robert Bosch GmbH, Stuttgart, Germany
10:20 am Implementation of lean management within Daimler trucks
  Julia Schäfer-Dr. Hans Hütz
  Daimler AG, Stuttgart, Germany
10:45 am Coffee break

Three different production concepts for OEM in dynamic markets

Chairmen: Michael Hailer
          Gebr. Heller Maschinenfabrik GmbH
11:15 am Engine production worldwide: standardization in production modules
  Kurt Spalt
  MTU Friedrichshafen GmbH, Germany
11:40 am Segmented fabrication of central engine plant
  Dr. Ulrich Reuter
  Audi AG, Ingolstadt, Germany
12:05 pm Japanese production systems for powertrain components
  Dr. Bernd Kasmann
  Mitsubishi Gas Kogyo, Lyon, France
12:30 pm Lunch

Innovations in cutting tool and coating developments

Chairmen: Rudi Spieß
          Off-Powertrain-Germany GmbH
02:00 pm Innovative cutting tools for improved productivity
  with a focus on ecological aspects
  Dr. Reiner Bühler
  New Ltd., Yehon, Israel
02:25 pm PCD tools and process know-how – enables for improved part quality and reduced costs
  Dr. Jochen Kress
  Dr. Frank Hetz
  Daimler AG, Stuttgart, Germany
02:50 pm Coating evolutions: cost efficiency developments
  Jochen Kreyenhagen
  Robert Bosch GmbH, Stuttgart, Germany
03:15 pm Recent developments in cutting tool materials for powertrain applications
  Dr. Uwe Schlösser
  CIMTEC Austria Gesellschaft m.b.H., Reuth Austria
03:40 pm Coffee break

Resource and energy efficient production

Chairmen: Jörg Krzystof
          Boehlerit GmbH und Co. KG
04:10 pm Energy efficiency for machine tools: prospects, solutions, limits
  Andreas Nonn
  Prof. Dr.-Ing. Eberhard Abele
  PMW Technische Universität Darmstadt, Germany
04:35 pm Total dry engine production: predictable or just an illusion?
  Alexander Trotz
  Recht/Miller Company Ltd., Köln, Germany

05:00 pm Innovations in crankshaft machining
  Dr. Bernhard Mautz
  KBB Spindler + Hainbuch GmbH, Stuttgart, Germany
05:25 pm Conclusions 1st Day

Networking Event: Porsche Museum Stuttgart

06:30 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
  PMW Technische Universität Darmstadt, Germany
08:40 am Multi-Pool Electron Beam Treatment of Powertrain Components with Low Emissivity
  Dr. Thomas van’t Erve
  Dr. Frank Hetz
  Daimler AG, Stuttgart, Germany
08:55 am Ratio potential: laser welding of powertrain components
  Dr. Andreas Mezger
  Daimler AG, Stuttgart, 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

Chairmen: Dr. Ulrich Reuter
          Audi AG
10:25 am Recent developments from the Indian machine tool sector
  S. Karthik
  Mindtec Research Ltd., Bangalore, India
10:50 am Virtual planning in machining operations: handle the flexibility
  Dr. Tom van’t Erve
  MTD Research Ltd., Eindhoven, The Netherlands
11:15 am Automotive production in the area of conflict between premium and low cost
  Michael Hailer
  Böhringer GmbH, Friedrichshafen, Germany
11:40 am Systematical approach for finding the best machine tool concept
  Dr. Andreas Mezger
  Daimler AG, Stuttgart, Germany
12:05 pm Sustainability and efficiency – a conflict?
  Dr. Gerd Schmiedle
  VDMA Verband Deutscher Maschinenbauindustrie
12:30 pm Conclusions 2nd 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 2nd Powertrain Machining Conference 2009