SUCCESS FACTORS IN CAR BODY ENGINEERING

It takes a comprehensive strategic approach to meet the diverse challenges that determine the developments in car body engineering today. Automation and data interoperability are heralded as driving factors for effectiveness, and as concepts of mobility change, so do the demands on car body engineering. Which car body concepts meet the requirements posed by the rising number of electric vehicles best? And which are the most efficient strategies to implement smart factory solutions for the complex tasks at hand?

Answers to these and many further questions will be provided by the “Strategies in Car Body Engineering 2017” conference at which leading OEM, suppliers and research institutes will make practice-oriented presentations, deliver progress updates and share their latest results. Come along and debate with us, and strengthen your own strategy to successfully tackle the tasks that lie ahead.

The international OEM Advisory Board and I look forward to seeing you there.

Dr. Sibylle Freitag
Presidium
Automotive Circle, DE
PROGRAMME

WEDNESDAY, 22 MARCH 2017

8.00 h  Registration and handover of conference documents

9.00 h  Welcome and introduction
Dr. Sibylle Freitag, Automotive Circle, DE

9.15 h  Introducing predictive maintenance in the car body production at BMW
Thomas Gerwald, Eckart Heinl, BMW Group, DE

9.45 h  Alpine passes and business sedans – a contradiction? The all new BMW 5 Series
Udo Hafner, Klaus Sammer, BMW Group, DE
Followed by car body presentations BMW 5 Series Sedan and Touring

10.45 h  Meet the Speakers & Coffee and contacts

CAR BODY STRATEGIES FOR ELECTRIC VEHICLES

11.15 h  From the NGC Urban Modular Vehicle Basic to the autonomous driving Cargomover: the modular body for the future urban electric vehicle
Marco Münster, DLR Institute for Vehicle Concepts, DE

11.45 h  Evolution of car body and vehicle structures for e-mobility
Prof. Dr. Christian Glöggler, Jan Krüger, Daimler AG, DE

12.15 h  Meet the Speakers & Lunch

SMART FACTORY SOLUTIONS

14.15 h  Simulation driven design: A facilitator for light weighting in vehicle engineering
Dr. Lars Fredriksson, Altair Engineering GmbH, DE

14.45 h  Process optimization in press shop by using vacuum handling devices with integrated intelligence
Eda Gökcimen, J. Schmalz GmbH, DE

15.15 h  Software and technology are team players: Cutting of 3D automotive panels using a robot-based, highly productive system approach
Jens Fetzer, Cenit AG, DE; Torsten Scheller, Jenoptik Automatisierungstechnik GmbH, DE

15.45 h  Meet the Speakers & Coffee and contacts

16.15 h  The effects of laser blanking on a flexible serial car production
Bernd Koehler, Schuler Automation GmbH & Co. KG, DE

16.45 h  Mechatronic Engineering: The end of tact time
Dr.-Ing. Frank Breitenbach, EDAG Production Solutions GmbH & Co. KG, DE

17.15 h  Meet the Speakers & Get-Together

18.00 h  Board meeting (for members of the international OEM Advisory Board only)

18.30 h  Networking Night
THURSDAY, 23 MARCH 2017

NEW MATERIAL CONCEPTS

8.30 h  Ultra high strength aluminium alloys: Challenges and benefits
         Daniel Jubera, Constellium, FR

9.00 h  New aluminum manufacturing process enables sheet forming to more complex parts
         Dr. John F. Butler, Arconic, US

9.30 h  Opel – Next generation midsize body structure
         Jozo Lukac, Bernd Pohl, Adam Opel AG, DE

Followed by car body presentation
Opel insignia

10.30 h  ☕ Meet the Speakers & ☕ Coffee and contacts

MANUFACTURING PROCESS SOLUTIONS I

11.00 h  Production of profile-like UHSS components with any type of cross-section or contour: An alternative approach
         Dennis Fuß, Linde + Wiemann GmbH KG, DE

11.30 h  Hot stamping process reliability: Innovative sensor technology for inline quality assurance
         Dr.-Ing. Sven Hübner, Leibniz Universität Hannover, DE

Followed by car body presentation
Chrysler Pacifica

CAR BODY PRESENTATION

12.00 h  The all-new 2017 Chrysler Pacifica
         James Truskin, Leland Decker, FCA, US

MANUFACTURING PROCESS SOLUTIONS II

14.15 h  Spotwelding as a strategic tool in global BIW shops
         Ulrich Mues, Matuschek Meßtechnik GmbH, DE

14.45 h  Jigless body-shop using remote laser welding
         Dr. Georg Bergweiler, RWTH Aachen, DE

15.15 h  Farewell and conference close
         Dr. Sibylle Freitag, Automotive Circle, DE

CONFERENCE FEES:
Early-bird: 1.750,- €* (for registrations received by 20 February 2017)
Standard: 1.950,- €*

Combibook together with the conference Additive Manufacturing for Car Body Engineering (21 March 2017):
Early-bird: 2.300,-€* (for registrations received by 20 February 2017)
Standard: 2.500,-€*

* All prices plus 19 % German VAT

CONFERENCE VENUE:
CONPARC Hotel & Conference Centre Bad Nauheim (Frankfurt), Germany
Pictures: Adam Opel, BMW, FCA, ©vege/fotolia.com, ©rawpixel/fotolia.com
Online registration, further information and terms & conditions at
www.automotive-circle.com

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Registration and programme updates at:
www.automotive-circle.com

Subject to change (Status as of 8 February 2017)
CAR BODY PRESENTATIONS

BMW 5 SERIES SEDAN

BMW 5 SERIES TOURING

CHRYSLER PACIFICA

OPEL INSIGNIA

INTERNATIONAL NETWORK OF DELEGATES
State of origin from delegates attending the conferences Strategies in Car Body Engineering the last two years
MEET THE LEADING OEM NETWORK

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