

CAR BODY PAINTING 2019

36TH WORKSHOP

4-5 NOVEMBER 2019

BAD NAUHEIM, GERMANY

CAR BODY PAINTING

13 OEM
PRESENTATIONS BY

Audi, BMW, Daimler, FCA,
Ford, Jaguar Land Rover,
Lamborghini, Opel, Porsche,
PSA, Renault, Toyota,
Volkswagen, Volvo



NEW CONCEPTS FOR FUTURE-ORIENTED PAINT SHOPS

The automotive industry is increasingly aligning its production with the principles of sustainability. Manufacturers and suppliers are pursuing economic, ecological and social goals across all stages of the value chain: from the selection of materials to production in the individual plants. The results in resource conservation are impressive: drinking water consumption fell by more than 60 percent. Today, more than 80 percent of production waste is recycled. Since 1990, solvent emissions from vehicle series painting have fallen by 65 percent. They now reach the lowest level by international standards.

But what other measures are needed to be well equipped for the challenges ahead? What concepts are OEMs and suppliers using in automotive painting to face the expected changes? These and other questions will be discussed by experts from renowned OEMs and suppliers during the conference Car Body Painting 2019 in Bad Nauheim, Germany.



Be there and be part of these discussions! We are looking forward to meeting you in Bad Nauheim!

Andrea Huber
Presidium
Automotive Circle

STRONG PRACTICAL RELEVANCE WITH OEM: SHARED SOLUTION AREA

In the Shared Solution Area, various doors from OEM will be presented and discussed in connection with the topic of "Adhesive bonding, sealing and damping". Compare the various designs and discuss solution approaches with the expert engineers.

The following doors of current vehicle models are subject to discussion in 2019:

- > **AUDI A8**
- > **BMW 8ER GRAN COUPÉ**
- > **DAIMLER S-KLASSE**
- > **FORD PUMA**
- > **PORSCHE 911ER**
- > **VOLKSWAGEN GOLF**

**LARGE
EXHIBITION!**

INTERNATIONAL OEM ADVISORY BOARD



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THE CONFERENCE IS AIMED AT

Paint shop managers/planners, related division and department managers or project leaders at automotive manufacturers, as well as at Tier1 and Tier2 suppliers or service providers.



Klaus-Peter Eckhardt
**Opel Automobile
GmbH, DE**



Dirk Paffe
**Dr. Ing. h.c. F.
Porsche AG, DE**



Christophe Guat
Groupe PSA, FR



Anne-Catherine
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Ahmet Dogan
**Toyota Motor
Europe, BE**



Christian Hacker
Volkswagen AG, DE



Lars Karvonen
**Volvo Car
Corporation, SE**

**MEET THE
LEADING
OEM NETWORK**

PROGRAMME

SUNDAY, 3 NOVEMBER 2019

19.00 h **Traditional Dinner**

MONDAY, 4 NOVEMBER 2019

8.30 h **Welcome and conference introduction**

Andrea Huber, Automotive Circle, DE

IMPULSE

8.45 h **Evolutionary optimisation: Solving industrial problems using Darwin's theory**

Thomas Deuster, DE computing GmbH, DE

THE FUTURE-PROOF PAINT SHOP – PROGRESS IN PROCESSES AND NEW CONCEPTS

9.15 h **From vision to reality: Eisenmann builds the first skidless paint shop for electric vehicles**

N.N., Zhejiang DEARCC, CN;

Jörg Robbin, Eisenmann Anlagenbau GmbH & Co. KG, DE

9.45 h **Zwickau goes electric – Challenges of integrating electric vehicle production into an existing paint shop**

Sören Boltz, Volkswagen AG, DE

10.15 h **Eisenach paint shop transition within the PSA Group**

Iris Menke-Hermani, Arto Savolainen, Opel Automobile GmbH, DE

10.45 h **☕ Coffee and contacts**

11.15 h **State-of-the-art global paint line for bumper and resin back door at Toyota Motor Manufacturing UK**

Manuel Molina Estrada, Toyota Motor Europe NV/SA, BE

11.45 h **Polestar 1 – Manual painting of a low bake system on CFRP class A surfaces**

Johan Nordström, Volvo Car Corporation, SE

12.15 h **Implementing low cure paint cycle for premium cars in a high production plant**

Mauro Antico, FCA Italy S.p.A, IT;

Paolo Quaglia, PPG Italia Business Support, SrL, IT

12.45 h **10 years of experience with high performance ED coating**

Dr. Maximilian Bendix, BASF Coatings GmbH, DE

13.15 h 🍴 **Lunch**

SIMULATION AND DIGITISATION I

14.15 h **Paint shop of tomorrow: Modular concepts for agility and scalability**

Bruno Welsch, Dürr Systems AG, DE

14.45 h **Fully digital tools used in paint design**

Vincent Guillin, Magnus Nordstroem, Groupe PSA, FR

15.15 h **AI based color prediction systems**

Dr. Thomas Schmierer, BMW Group, DE;

Dr. Ralf Otte, BASF Coatings GmbH, DE

15.45 h ☕ **Coffee and contacts**

16.15 h **CreatedToCreate – The new Lamborghini paint shop**

Matthias Bader, Automobili Lamborghini S.p.A., IT

16.45 h **Cross-process optimisation of the paint shop for applications**

Dr. Martin Schifko, ESS Engineering Software Steyr GmbH, AT

17.15 h **Visualisation of critical and expert paint shop insights for optimised production and quality management**

Frank Levering, Geico Spa, IT

17.45 h **Dents in roof; No thanks! Digital analysis of aluminium roofs in the e-coat oven process**

Jonas Steinmann, Dr. Ing. h. c. F. Porsche AG, DE

18.15 h 👥 **Get-together**

19.15 h 👥 **Networking Night**

Supported by Covestro Deutschland AG



TUESDAY, 5 NOVEMBER 2019

SIMULATION AND DIGITISATION II

8.45 h **Cost-effective inline scanner for paint defects in painting process: KLT/ED, primer and clear-coat**

Bruno Bourgois, Groupe Renault, FR ;

Oliver Nell, Ford-Werke GmbH, DE;

Jorge Broto, Eines Systems S.L., ES

9.30 h **Online appearance measurement using automated surface inspection**

Patrick Feucht, Daimler AG, DE

10.00 h **Robot-guided deflectometry enables fully automated inline paint inspection of attachment parts – time-saving and cost-efficient**

Robert Werny, Isra Vision AG, DE

10.30 h ☕ **Coffee and contacts**

ADHESIVE BONDING, SEALING AND DAMPING

11.00 h **Phthalate-free seam sealing**

Heike Marhofer, Daimler AG, DE;

Dr. Thorsten Neeb, Henkel AG & Co. KGaA, DE

11.30 h **Printed. Sealed. Dynamic drop application revolutionizes automated sealing**

Gido Hoppe, Audi AG, DE;

Dr. Sten Mittag, Atlas Copco, DE

12.00 h ⚙️ **SHARED SOLUTION AREA**

More practical relevance through discussions at OEM exhibits.

Discuss, exchange, implement!

13.15 h 🍴 **Lunch**

APPROACHES TO CUSTOMISED PAINTWORK

14.15 h **The Smart Paint Factory as a tool to develop and make individual color shades**

Dr. Karl-Friedrich Doessel, Orontec GmbH & Co. KG, DE

14.45 h **Two tone and logo painting with overspray free technology**

Manuel Mildenerger, ABB Automation GmbH, DE

15.15 h **Customisation of film applications – developments and challenges at JLR**

Dave Green, Jaguar Land Rover, GB

15.45 h **Closing remarks and end of the conference**

Andrea Huber, Automotive Circle, DE



Subject to change (status as of 21 August 2019)

**PROGRAMME UPDATES AT:
WWW.AUTOMOTIVE-CIRCLE.COM**

REGISTER
NOW!



INFORMATION

CONFERENCE FEES

Early-bird: 1.895,- €* (available until 3 October 2019)

Standard: 1.975,- €*

* plus 19% German VAT.

VENUE

Hotel Dolce Bad Nauheim

Elvis-Presley-Platz 1, DE-61231 Bad Nauheim

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info@dolcebadnauheim.com

www.dolcebadnauheim.com

We kindly ask you to make your own hotel reservation at the conference hotel. Rooms are available from 139 € to 159 €, depending on the room category. All rooms include breakfast for a price of 5 € per person and day. Please refer to: "Automotive Circle".

CONFERENCE FEES INCLUDE

Fees include full conference participation, incl. conference materials and list of delegates, the authority for downloading the presentation on the internet, luncheons, catering and the participation in the evening networking events.

**REGISTRATION & TERMS AND CONDITIONS
AT WWW.AUTOMOTIVE-CIRCLE.COM**



pictures: @pixelpoems/fotolia.com, Vincentz Network

YOUR CONTACT

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EXHIBITION

Visit the accompanying exhibition during the breaks and inform yourself about new products and services around car body painting!

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