

CAR BODY PAINTING 2018

35TH WORKSHOP

5–6 NOVEMBER 2018

BAD NAUHEIM, GERMANY

CAR BODY PAINTING

10 OEM
PRESENTATIONS BY
Audi, Daimler, FCA, Ford,
Jaguar Land Rover,
Opel, PSA, Renault,
Volkswagen



ECOLOGY VS. COSTS: BETWEEN TECHNICAL FEASIBILITY AND ECONOMIC VIABILITY

“Factory Without People”, “Artificial Intelligence”, “Renewable Resources” ... Is this the future of the automotive paint shop? Not everything that is technically possible makes economic sense. For example, the trend towards e-mobility is raising questions about now established principles of lightweight construction – and the materials used. What does this mean for the paint shop of the future?

The key tasks are to study the available real-world data, estimate the scope and direction of future trends and, finally, assess the expected costs. In addition, it is important to remember that requirements for the conversion and expansion of existing paint shops are different from those for greenfield projects.

Where does automotive painting stand here? What experiences have we already gained, which hurdles do we still have to overcome? And which systems and process materials will support OEMs on their journey to creating a future-proof paint shop?



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

A handwritten signature in black ink that reads "Andrea Huber".

Andrea Huber
Presidium
Automotive Circle, DE



SHARED SOLUTION AREA

More practical relevance
through discussions at OEM exhibits.
Discuss, exchange, implement!



INTERNATIONAL OEM BOARD



Thomas Heußer
Audi AG, DE



Dr. Jürgen Stiegler
BMW Group, DE



Dr. Bernadette Peters
Daimler AG, DE



Roberto Selvestrel
FCA Italy S.p.A., IT



André Thierig
Ford-Werke GmbH, DE



Chris Globe
Jaguar Land Rover, GB



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**



Rudolf Betz
**Dr. Ing. h.c. F.
Porsche AG, DE**



Christophe Guat
Groupe PSA, FR



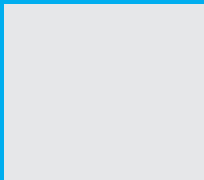
Anne-Catherine
Basset
Groupe Renault, FR



Takashi Suzuki
**Toyota Motor
Corporation, JP**



Christian Hacker
Volkswagen AG, DE



Lars Karvonen
**Volvo Car
Corporation, SE**

**MEET THE
LEADING
OEM NETWORK**

PROGRAMME

SUNDAY, 4 NOVEMBER 2018

19.00h Traditional Dinner

MONDAY, 5 NOVEMBER 2018

9.00 h Welcome and conference introduction

Andrea Huber, Automotive Circle, DE

IMPULSE

9.15 h Sustainability along the OEM coatings supply chain

Dr. Karl-Friedrich Dössel, Dössel Consulting DE

SUSTAINABILITY ALONG THE SUPPLY CHAIN IN AUTOMOTIVE PAINTING

9.45 h Regulatory pressures and hot topics in the coatings industry

Janice Robinson, CEPE aisbl – European Council of the Paint, Printing Ink & Artists' Colours Industry, BE

10.15 h Environmentally focused, forward thinking processes in the paint shop

Dr. Valentin Berger, Chemische Werke Kluthe GmbH, DE

10.45 h Total VOC Down – Holistic concepts to meet new regulations

Dr. Johannes T. Grobe, Dürr Systems AG, DE

11.15 h ☕ Coffee and contacts

11.45 h Low VOCs or low CO2 paint process: should it be a choice?

Richard Caetano, Dominique Bonnet, Groupe PSA, FR

12.15 h Smart, flexible, skidless – new ways for the sustainable paintshop of Daimler in Kecskemet

Stefan Schubert, Daimler AG, DE; Jörg Robbin, Eisenmann Anlagenbau GmbH & Co. KG, DE

12.45 h Advancements in new low temperature cure technology

Alvaro Dominguez Bermejo, PPG Business Support Srl, FR

13.15 h 🍴 Lunch

14.30 h Innovative large-scale packaging for the paint and coating industry

Veit Enders, Schütz GmbH & Co. KGaA, DE

15.00 h Implementation of a solvent-free cavity wax material to improve the sustainability footprint

Matthias Wiedeking, Ford-Werke GmbH, DE

15.30 h Sustainability aspects of cavity preservation – the development of flooding wax technology

Thomas Heußler, Audi AG, DE; Dr. Karsten Lessmann, Pfinder KG, DE

16.00 h  Podium discussion with Live-Polls

16.30 h  Coffee and contacts

CURRENT OEM-PROJECTS

17.00 h New coating technologies with nitrogen for the automotive application

Ewa Skonecka, FCA Italy S.p.A, IT; Giovanni Sala, NS Coating Technologies, IT

17.30 h Anti Corrosion Policy Alignment within Alliance

Laurent Rougier, Renault S.A.S., FR

18.00 h Get Together

19.00 h Networking Night

Sponsored by Covestro Deutschland AG



TUESDAY, 6 NOVEMBER 2018

ADHESIVE BONDING, SEALING AND DAMPING

8.30 h Joint sealing 4.0 – Practical experiences

Andreas Widmayer, Daimler AG, DE

9.00 h SHARED SOLUTION AREA

The following tailgates of current vehicle models are subject to discussion in the Shared Solution Area:

Audi A7

BMW X2

Daimler CLS C257

Ford Focus

Porsche Panamera Gran Turismo

Volkswagen Golf

**TAILGATE
EXHIBITION**

10.00 h  Coffee and contacts

DIGITALIZATION IN AUTOMOTIVE PAINTING

10.30 h Uninterrupted tracking of car bodies from the body shop through the painting process to final assembly

Frank Linti, Schreiner Group GmbH & Co KG, DE

- 11.00 h** **How to visualize car paint realistically**
Weiran Lu, BASF Coatings GmbH, DE
- 11.30 h** **Digital Appearance parameter for automotive coatings**
Dr. Kirsten Fritsche, Merck KGaA, DE
- 12.00 h** **Pro-active management based on sBRDF of the visual harmony quality assurance**
Prof. Francisco Martinez-Verdu, University of Alicante, Department Optics, ES
- 12.30 h** **🍴 Lunch**
- 13.45 h** **Control + Paint System: a new concept of defect detection system**
Luigi Lazzari, Geico Spa, IT
- 14.15 h** **Quality optimization and cost reduction through specially tailored process observation**
Michael Steuer, Freudenberg Filtration Technologies SE & Co. KG, DE

CURRENT OEM-PROJECTS II

- 14.45 h** **Correlation of accelerated weathering tests to outdoor exposure – Comparison between ASTM D7869 and SAE J2527**
Axel Domke, Opel Automobile GmbH, DE; Andreas Riedl, Atlas Material Testing Technology GmbH, DE
- 15.15 h** **Radar suitability of parts painted in the car's colours**
Dr. Christian Sich, Volkswagen AG, DE; Michaela Liese, BASF Coatings GmbH, DE
- 15.45 h** **Jaguar Land Rover – New Paint Shop in Nitra, Slovakia**
Martin Cousins, Jaguar Land Rover, GB
- 16.15 h** **Farewell address and end of the conference**
Subject to change (status as of 19 September 2018)



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

STRONG PRACTICAL RELEVANCE WITH OEM:

SHARED SOLUTION AREA

In the new Shared Solution Area, various tailgates 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 tailgates of current vehicle models are subject to discussion in 2018:

AUDI A7

BMW X2

DAIMLER CLS C257

FORD FOCUS

PORSCHE PANAMERA GRAN TOURISMO

VOLKSWAGEN GOLF

INFORMATION

CONFERENCE FEES

Conference

Early-bird: 1.875,- €* (available until 4 October 2018)

Standard: 1.975,- €*

* plus German 19% VAT.

VENUE

Hotel Dolce Bad Nauheim

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

T +49 6032 303-0, F +49 6032 303-529

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 FEE INCLUDES

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 event.

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



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YOUR CONTACT

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Automotive Circle

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REGISTRATION

CAR BODY PAINTING 2018

I hereby register for

- CONFERENCE 5 – 6 November 2018
Early-bird: 1.875,- €* (until 4 October 2018)
Standard: 1.975,- €*

Title First Name

Name

E-Mail

Phone

Company

Department Function

Street

Zip Code/City

Country

Order No.

METHOD OF PAYMENT

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Cardholder Expiry Date

Card Number Verification Code

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