

20TH DVN WORKSHOP

JANUARY 28TH-29TH, 2020

HILTON MUNICH AIRPORT HOTEL



Theme: High Resolution HL and RL for Premium and Generalist cars

Topics covered: High resolution - Digital Light - New lighting functions - Lighting Communication - μ LED - μ Optics-SSL - Monolithic - Integration of Sensors - New Materials - Simulation and Measurements - Condensation Management.

Conference/Panel discussions/Exhibition

Sponsored by



**The 20th DVN workshop will take place in Munich on January 28-29, 2020
at the prestigious Hilton Airport Hotel.**

The Event of the Year in automotive lighting!

Our first DVN Workshop took place in Germany Stuttgart in 2008, with just 20 attendees, 12 years later, our 20th DVN Workshop will be held this coming 28-29 January 2020 in Munich at the Hilton Munich Airport Hotel with 350 attendees expected.

For this special event opening the Y2020, we're planning an exceptional Workshop with the Theme: **Adaptive HL and RL for Premium and Generalist cars**
Topics covered: High resolution - Digital Light - New lighting functions - Communication - μ LED - μ Optics - SSL - Monolithic - Integration of Sensors - New Materials - Simulation and Measurements - Condensation Management.

There'll be lectures presented by around ten global OEM VIPs, a presence seldom achieved before at a lighting congress, plus seven set makers and around ten lighting suppliers.

A selection of 24 exhibitors will present their products/Services.

For more information about available exhibition booths and pricing, contact: sberner@drivingvisionnews.com



Lectures will be given by OEMs Audi, BMW, Ford, Jaguar Land Rover, Opel, PSA, Renault, Volvo and lighting suppliers Hella, Marelli-AL, Mind, Mobis, Valeo, Varroc, ZKW, Everlight, Lumileds, Osram, and Dominant.

RATES

ENTREE FEE FOR WORKSHOP, LUNCH AND WELCOME DINNER: 1 000 Euros/pers

- 1 free entree for DVN Gold members
- 3 free entrees for Platinum Members

ROOM BOOKING HILTON MUNICH AIRPORT HOTEL

DVN GROUP PRICE	DVN EVENT CONTACT PERSON	HILTON MUNICH AIRPORT HOTEL
<p>Superior Bedrooms for 159 Eur/night including VAT and breakfast</p> <p>Room booking: mention DVN Munich Workshop</p> <p>Hotel Room reservation contact: reservations.munichairport@hilton.com Phone: +49 89 9782 2550</p>	<p>Natascha EISENMANN Conference & Events Sales Executive</p> <p>Email: natascha.eisenmann@hilton.com</p> <p>Mobile: +49 89 9782 3665</p>	<p>Terminal Strasse Mitte 20, 85356 Munich Airport, Germany</p>

AGENDA 2020 DVN MUNICH WORKSHOP- LIGHTING

TUESDAY JANUARY 28th

11:30 - 13:00 *REGISTRATION AND LIGHT LUNCH*

13:00 - 13:30 KEYNOTE by Dr. Ir. Carl o JT van de Weijer, TU Eindhoven, Director Strategic Area Smart Mobility
"The Future of Mobility"

13:30 - 14:45 | **SESSION 1 DIGITAL HL & RL- PREMIUM CAR MAKERS EXPECTATIONS**

Audi, Wolfgang Huhn, General manager Lighting & Vision
"Digital Light for Digital Cars"

BMW, Joerg Kaelble, General Manager lighting & visibility systems
"New generation BMW Laser Light"

JLR, Shammika Wickramasinghe, Group Leader & Domain Architect- Body Engineering
"Lighting communication"

Volvo, Paul-Henri Matha, Technical Leader Exterior Lighting
"Customer Knowledge- Volvo Approach"

14:45 - 15:15 *COFFEE BREAK*

15:15 - 16:30 | **SESSION 2 ADAPTIVE HL & RL – GENERALIST CAR MAKER EXPECTATIONS**

Ford, Frank Heitplatz, Manager Global Core Restraints-Product Development
"Ford's view on adaptive headlamp technology evolution"

PSA, Whilk Gonçalves, Expert on Lighting & Signalization
"PSA Group strategy for ADB headlamps"

Renault, Francois Bedu,
"After Full LED headlamps for All, how ADB system can be addressed to mainstream market by a general carmaker?"

Opel, Ingolf Schneider, Manager Body Exterior Lighting
"ADB systems – Safety for all Customers!"

16:30 - 18:00 | **SESSION 3 INTERIOR LIGHTING**

BMW, R.Isele, Head of Interior Lighting
"The Vision of Interior Lighting"

Hella, Matthias Merkel, Head of Program Management Interior Lighting
"Interior Lighting to support future use cases"

Design LED, Dr James Gourlay, CTO
"Dynamic Surface Backlighting"

Osram- Michael Brandl, Director Application Engineering Automotive Interior
"Dynamic Lighting enabling new Functionalities in Automotive"

Future Lighting Technologies, Björn Sobischek
"Heated & Lighted Textiles"

18:00 - 19:30 *SOCIAL COCKTAIL*

19:30 - 21:00 *WELCOME DINNER*

WEDNESDAY JANUARY 29th

07:30 - 08:00 *WELCOME BREAKFAST*

08:00 - 09:15 | **SESSION 4-PART1 SET MAKERS' DIGITAL LIGHT & HD MODULE**

Hella, Michael Kleinkes, Vice President Development Lighting Technology and Innovation
"How to realize one Headlamp for world wide application using SSL-Technology"

ZKW, Ralf Klaedtke, CTO

"The 5 S of Digital Lighting – Smaller, Safer, Smarter, Sustainable & Style"

Marelli, Andrea Stella, Vice president R&D

"Lighting signals 360° around the car"

Varroc, Todd Morgan, Senior VP Global Product development

"Lighting Modules for ADAS sensor Integration"

09:15 - 10:30 | **SESSION 4-PART2 SET MAKERS' DIGITAL LIGHT & HD MODULE**

Valeo, Benoist Fleury, Product Marketing Visibility

"High Definition Lighting is great! Yes, but what for?"

Mind, Alfonso Orozco Lopez, R&D

"China style trends and lighting homogeneity"

Koito, Hidetada Tanaka

"Introduction of ADB mass production development with scanning technology"

Mobis, Taewon Lee, Manager / Global Business Business Development Team

"The introduction of the world first 3D lit image tail lamp"

10:30 - 11:00 *BREAK*

11:00 - 12:15 | **SESSION 5 LIGHT SOURCE SUPPLIERS -MATRIX-μLED - μOPTICS-SSL-**

Osram, Ulrich Frei, Senior Manager Application Engineering Automotive Exterior

"Heatsink-less Economic LED Headlamp Approach"

Lumileds, Lars Dabringhausen, Sr. Manager Business Development and Application Design-in

"Scaling up ADB matrix solutions for mainstream market adoption - LUXEON Neo Exact"

Everlight, Chadfree Cheng, Senior Engineer

"Brighter Future Enabled by smart device: EVERLIGHT's SMARTLED series"

Dominant

"seddLED – Smart Embedded Digital Driver LED"

12:10 - 13:45 *LUNCH*

13:45 - 15:00 | **SESSION 6 MATERIAL AND ELECTRONICS AND SIMULATION AND TESTING**

Elmos, Jatin Thaker, Senior Director Product Segment Lighting

"Cost effective, scalable bus based semiconductor architectures for realizing Rear and Interior Dynamic Lighting"

Mentor Graphics, Alexey Kharitonovich, Senior Product Manager

"High Fidelity Simulation with Electrical-thermal-LED Models"

NXP, Prem Sharma, DGM & Head (OEM)

"Functional Safety considerations and solutions for advanced automotive lighting systems"

W.L. Gore, Andreas Müller / AML Systems, Hassan Koulouh

"Headlamp condensation prevention through active moisture removal – Results from precommercial validation testing"

Covestro, Jan Helmig, Global Technical Marketing Mobility Lighting

"Polycarbonate: from exterior lighting to new interior design concept"

15:00 - 16:30 | **SESSION 7 INTRODUCTION OF NEW LIGHTING FUNCTIONS INTO REGULATIONS**

Panel session with 6 experts from OEM's and Tier 1 suppliers

16:30 *CLOSING*