

31 JAN
01 FEB
2023
PARIS



DVN PARIS WORKSHOP

Software Defined Lighting

New possibilities for optics, electronics, material and design

- 26TH DVN WORKSHOP - 15TH DVN ANNIVERSARY CELEBRATION -



HYATT REGENCY HOTEL, PARIS ÉTOILE
Conférence • Exhibition •
Social Cocktail • Welcome Dinner & Award Ceremony

Sponsored by:





The lighting community's first top-tier event of the year The 26th DVN Workshop and DVN's 15th anniversary, at the luxurious Hyatt

DVN 26th Workshop will take place in-person at the prestigious Hyatt Regency Paris Etoile Hotel, on January 31- February 1, 2023.

The Theme of our 2-day conference and exhibition: **Software Defined Lighting - New possibilities for optics, electronics, material and design**

It will highlight how new technologies will contribute to increase safety in our world. The event will bring together more than 300 worldwide participants, managers, and experts, involved in lighting.

Lectures are confirmed from:

- OEMs Audi, Bentley, Jaguar Land Rover, Mercedes-Benz, Porsche, Renault, Rivian, Seat, Stellantis, Volvo.
- Lighting suppliers FORVIA-Faurecia, FORVIA-Hella, Marelli AL, Mind, Hasco, Mobis, Valeo, ZKW.
- Light source suppliers ams OSRAM, LG Innotek, Kyocera SLD, Lumileds.
- Tier 2 suppliers involved in optics, electronics, driver monitoring, materials, simulation, testing, measurements, and regulations.
- Universities and Institutes.

For the first time, DVN will host a «Startups Row» to present the best & most innovative upcoming players in the lighting industry.

Discussion panels and exhibition booths will host fruitful exchanges between all attendees.

- **Network & Promote:** This Paris DVN workshop allows your company to network with European, North American and Asian players and promote your lighting products or service offer.
- The theme **“Software Defined Lighting - New possibilities for optics, electronics, material and design?”** discussed during the Workshop Sessions by the best international experts will help you to orient your company strategic decisions concerning your product and service roadmaps.
- **Award ceremony:** For this special DVN Paris WS, we're planning an Award ceremony during the dinner on January 31st. Several awards, including:
 - Personality of decade 2011-2020,
 - Best lecture of 2022,
 - Personality who helped lighting community and innovations in lighting,
 - Best Hopes in Lighting.

REGISTRATION ON DVN WEBSITE: www.drivingvisionnews.com

ADMISSION FOR A 2-DAY WORKSHOP INCLUDING LUNCHESES & 1 DINNER: €1,500

- 1 free entry for DVN Gold Members
- 3 free entries for DVN Platinum Members

EXHIBITORS: BOOK YOUR BOOTH NOW!

STAY IN TOUCH WITH YOUR CUSTOMERS & PROSPECTS

and present your product/service innovations or other important messages to highest-level decision makers.

TARGETED VISIBILITY

- Your company logo on DVN event agenda and conference hall.
- Your company A4 page advertising in the workshop booklet handed out to each participant.

NETWORK & PROMOTE IN PERSON

- The Paris Workshop in-person attendees will visit your booth during the 30mn conference breaks, the lunch, and the welcome cocktail.
- The Paris Workshop Report sent to the 200 DVN Gold companies members (5000 DVN newsletter readers) will show all Exhibitors' innovative products/ services.

EXHIBITION BOOTH PRICELIST

Standard Booth:	4m x 3m - 12,000 Euros
XXL Booth:	6m x 3m - 18,000 Euros

DVN members and Exhibitors must contact: carine@drivingvisionnews.com or glebrun@drivingvisionnews.com

HOTEL ROOM BOOKING

HYATT REGENCY HOTEL, PARIS ÉTOILE

3, Place du Général Koenig, 75017 Paris, France

Deluxe room Single: 229 Euros/night

(the negotiated price is for the night of January 30 & 31)

To book your hotel room:

<https://www.hyatt.com/en-US/group-booking/PARHR/G-U7X6>

Or contact margarita.berezinskaya@hyatt.com
mention the DVN code: G-U7X6

AGENDA - DAY 1

Tuesday 31st January

9:30 am Welcome opening Hector Fratty

9:40 am Keynote 1 - Christophe Périllat, Valeo
"The transformation of the auto industry"

10:00 am Keynote 2 - Michael Kruppa, Audi
"Audi Road Map to Digital Light – enabling durable light sources for SW-based Access"

10:20 am SESSION 1: AUTOMAKER INNOVATIONS FOR NEW LIGHTING FUNCTIONS
Chair: Wolfgang Huhn

SESSION 1A

SEAT - Carlos Elvira
"From the line to the surface"

JLR - Irene Sanchez Funez
"How lighting can improve ADAS sensors"

Rivian - Shammika Wickramasinghe
"How lighting improves safety"

Mercedes-Benz – Uwe Kostanzer
"Exterior Lighting in transition"

Stellantis - Mathieu Collot
"Lighting technologies for a Global multi brand approach"

Q&A Session

12:00 pm **LUNCH**

1:30 pm SESSION 1B

Audi - Andre Hainzmaier
"Customer Centricity for Innovation in Software defined Lighting"

Stellantis - Ingolf Schneider and Philipp Roeckl
"Stellantis way to digital lighting"

Renault - Nathalie Venot
"Lighting System integration in future Renault SDV, Software Design Vehicle"

Porsche - Robert Haehle and Benjamin Hummel
"The new Porsche HD-Matrix LED Head-lights"

Volvo - Paul-Henri Matha and T-Jon Mayer
"From exterior design to Software, deep dive in a journey at Volvo Cars R&D"

Q&A Session

3:00 pm **BREAK**

3:30 pm SESSION 2: TIER-1 INNOVATIONS IN NEW LIGHTING FUNCTIONS (15MN/LECTURE)
Chair: Hector Fratty

SESSION 2A

Marelli AL - Jean-Pascal Herlin
"Evolution of lighting and sensing in the next 5 to 8 years – an overview at 360° around the car"

ZKW - Gerald Boehm
"Light Requirements: From Human Driver until Sensor Support"

Valeo - Gawin Warner
"Artificial Intelligence: Holistic Approach"

Mind - Hossein Nafari
"Lighting evolution from 'Digital' to Meta"

Hasco Vision - Shaoyuan Zhang
"Digital & Interactive Lighting - Hasco Vision's pioneering work"

Q&A Session

SESSION 2B

FORVIA-Hella - Michael Kleinkes
"Lighting architecture of the future - safe, customized and sustainable"

Marelli AL - Ernst-Olaf Rosenhahn
"Digital control of front lighting functions for optimization of power consumption"

Mobis - Hyunkmin Lee
"Future technology of Mobis"

FORVIA-Faurecia - Tony Allison
"UI+ Light = Ultimate personalisation"

Q&A Session

6:00 pm SESSION 5 START-UP

6:30 pm **Cocktail**

8:00 pm **Dinner with Awards**

AGENDA - DAY 2

Wednesday 1st February

- 8:30 am 1st Keynote Pr.Khahn, *"Research for Lighting in automotive and daily life"*
- 8:50 am 2nd Keynote Mohamed Abd El Ghani, *"Artistic Ambiance of Lighting Orchestration Via Software"*
- 9:10 am **SESSION 4: LIGHT SOURCE INNOVATIONS**
Chair: Gerd Bahnmüller
- Lumileds - Lars Dabringhausen
"Benefits of direct imaging solutions for ADB Matrix and Digital Headlighting Beam"
- ams OSRAM - Stefan Groetsch
"HR Pixel-LED for forward lighting and digital light communication"
- LG Innotek - Hyun Sung
"Nexlide - Integration multi-optical layer to achieve high efficiency, slimness and light weight"
- OLEDWorks - Dr. Michael Boroson
"OLED-Lighting for Automotive applications"
- KSLD - Josip Kovacevic
"Automotive Lighting enables digital content by using Sensing and NightVision from the same spot"
- 10:40 am **BREAK**
- 11:10 am **SESSION 5: REGULATIONS**
Chair: Bart Terburg
- Bart Terburg, GTB VP & Chairman of SAE International Coöperation Committee
Introduction
- Timo Kärkkäinen Chairman of GRE (UNECE Working Party on Lighting)
"GRE Work Priorities - Relationship with other WP29 WPs and Relevance of UN Regulation 156 to lighting"
- Davide Puglisi GTB Secretary General, GRE WG Secretary on Simplification of Lighting Regulations
"GTB update"
- 11:55 am **ROUND TABLE : SAFETY AND REGULATORY IMPLICATIONS OF SOFTWARE DEFINED LIGHTING**
Chair: Bart Terburg
- Whilk Gonçalves, Valeo Lighting Systems PG Optics Director
- Ao Jinlong, Chief technology officer of HASCO Vision
- Timo Kärkkäinen, Special Adviser, Finnish Transport and Communications Agency Traficom Type Approval
- Michael Larsen, Technical Fellow, Automotive Lighting – General Motors. Chairman, SAE J3069™ ADB Task Force and SAE Regulatory Cooperation Task Force
- Davide Puglisi, GTB Secretary General
- Jatin Thaker, Senior Director and Segment Manager Lighting at Elmos
- 12:30 pm **LUNCH**
- 2:00 pm **SESSION 6: SKILLS TO HELP DEVELOPMENT OF NEW FUNCTIONS**
Chair: Jean-Paul Ravier
- ams OSRAM - Hermann Senninger
"From Dynamic Lighting to OSP – why we need intelligence inside the LED"
- Elmos - Jatin Thaker
"Enabling the Lighting Edge using SW driven Smart Electronics"
- LMI - Kamislav Fadel and A2MAC1 - Vincent Keromnes
"Exterior Automotive Lighting Benchmarking Challenges"
- LMT-Technoteam - Thomas Reiners and Christian Schwanengel
"The Best of Two Worlds - Innovations in Light Measurement Technology From legislation and standardisation to the practical assessment of light"
- Dajac - Steve Trent
"Using automation, high speed cameras, and software to test today's high tech lighting"
- Inova - Thomas Rothhaupt
"Architecture for Software Defined Light & Sensor Networks in Vehicles"
- Covestro - Jan Helmig
"Efficient production of complex LED Low Beam modules through in-mold optical alignment and heat management"
- 3:40 pm **ROUND TABLE ON THE NEW FRONT END**
Chair: Michael Hamm
- "Light is the new Chrome – and what is the new Frontend ?"*
- MH Short lectures from Forvia, Plastic Omnium, Valeo, Covestro, SMP
- Then discussion
- 4:40 pm **Closing**