

# DVN US WORKSHOP JANUARY 10-11, 2017

ROYAL PARK HOTEL, ROCHESTER, MI

ONE & HALF DAYS CONFERENCE  
MEET&GREET DINNER JANUARY 10<sup>TH</sup>, FROM 6:00 PM



## Future Lighting Technologies and Standardization Safety & Regulatory Affairs

Topics will include LED, Laser, OLED, ADB & Matrix Beam, Pixel light, Simulation, and Regulation.

Conference/Panel discussions/Exhibition

Sponsored by



Registration and Hotel for this event: [contact@drivingvisionnews.com](mailto:contact@drivingvisionnews.com)

**DVN Fourth US workshop will take place at the Royal Park Hotel, Rochester, MI, on January 10-11, 2017.**

Over 250 top-level attendees from all over the world will participate, mostly representing global automotive lighting players from this industry.

**Rubric of the conference will be:**

“Future Lighting Technologies and Standardization-Safety & Regulatory Affairs”.

**Topics will include:**

LED, Laser, OLED, ADB & Matrix Beam, Pixel light, Simulation, and Regulation.

**26 lectures will be presented from:**

- **Car makers:** Audi, BMW, FCA, Ford, GM and Renault
- **Set makers:** Automotive Lighting, Hella, JW Speaker, Mobis, SL Corporation, Stanley, Valeo, Varroc, and ZKW,
- **Light Source Suppliers:** Lumileds, Nichia, and Osram,
- **Tier 2:** AML Systems, Sea Link, Covestro, IAV, Lear, LMT, and NXP.

A regulation session will be held under the Chair of Geoff Draper, GTB. Experts representing Regulators, Researchers, Vehicle and Equipment Manufacturers and Standardisation Groups will hold a balanced discussion on the question of how to define “Performance Based” and “Technology Neutral” and how technical requirements can be developed in the context of self certification.

## RATES

**ENTREE FEE FOR 2 DAYS WORKSHOP, LUNCH, AND DINNER: 1 000 EUROS/PERS.**

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

## HOTEL ROOM BOOKING



**Royal Park Hotel,**

600 E University Dr,  
Rochester, MI 48307, États-Unis

**Call or contact Ms. Kerri Clawson,**

kclawson@royalparkhotel.net

Tel: +1 248-652-2600

Please mention DVN event January 10-11, 2017 and negotiated price of 239 US\$ per night plus 9,5% taxes

# AGENDA ROCHESTER WORKSHOP

## TUESDAY JANUARY 10

### MIDDAY: REGISTRATION AND LIGHT LUNCH

**1:15 PM** Opening by Hector Fratty

### 1:30 PM SESSION 1 • FUTURE LIGHTING TECHNOLOGIES

**Ford, Stephen Helwig – Thorsten Warwell**

"New Lighting technology at Ford & Lincoln: Premium headlamps in the US"

**BMW, Christian Amann**

"New Functions and technological innovations at BMW, a true improvement for road safety"

**Audi, Michael Hamm**

"Today's and Future Technologies meet Rules and Regulations".

### 2:30 PM SESSION 2 • STANDARDIZATION AND SAFETY

**Renault, Paul-Henri Matha**

"Full LED Headlamp for Mass Market"

**FCA, Denis Nowak**

"FCA Headlamp Beam Pattern Evaluations - From Simulation to Production"

**GM, Mike Larsen**

Standardizing Headlamp Ratings

### 3:30 PM COFFEE BREAK

### 4:00 PM SESSION 3 • ADB AND DIGITAL LIGHTING

**Hella, Fadel**

"Lighting goes Digital Act 2"

**Valeo, Gavin Warner and John Orisich**

"Glare Free High Beam and beyond: Customer feedbacks & impact on Safety + Evolution of the NA market in exterior and Interior Lighting"

**Speaker, Dragan Popovic**

"Digitally swiveling beam"

**Mobis, Taewon Lee**

"What are the next automotive lighting technologies?"

**Stanley, Matt Hoffman, Manager Product Design**

"Safety benefits by the evolution of ADB"

### 5:30 PM SESSION 4 • LIGHTING FOR SAFETY

**Varroc, Rainer Neumann and UMTRI, Michael Flannagan**

"Field tests of headlighting performance: Results and outlook"

**AL, Tobias Wagner, Michael Scholl, Laurent Meister**

"Different Headlamp Rating Tests - Comparison and Needs for new Headlamp Development"

**ZKW, Jürgen Antonitsch**

"Platform based lighting technologies"

**SL Corporation, Hyung Rock Kim**

"Customer Centric Innovation"

### 7:00 PM COCKTAIL & WELCOME DINNER

## WEDNESDAY JANUARY 11

### 9:00 AM SESSION 5 • LIGHT SOURCE INNOVATIONS

**LUMILEDS, Mark McCauley**

"Custom modular solutions for advanced LED headlighting applications"

**OSRAM, Julian Dench**

"Lighting the Way Forward; a Look at the Future"

**NICHIA, Todd Lynema**

Automotive Lighting Technology: SSL in the coming generation

### 10:00 AM SESSION 6 • ELECTRONICS IN LIGHTING

**NXP, Jatin Thaker,**

"NXP LED Driver Solutions for Laser and Matrix Headlights"

**LEAR, Gerhard Fleischmann**

"Cross Carline Standard Electronics - also applicable for advanced ADB and Rear Lighting Systems"

**IAV, Benedikt Kleinert.**

"Future lighting technologies - The need of future assessment methods like IHS and standards"

### 11:00 AM COFFEE BREAK

### 11:30 AM SESSION 7 • MATERIALS, COMPONENTS, MEASUREMENT TOOLS

**COVESTRO, Jochen Hardt**

"Holographic Lighting with 3D effects"

**SEA LINK, Greg Titus**

"Future Trends in Automotive Heat Sink Technology"

**LMT, Thomas Reiners**

"Digital Image Processing in Goniophotometry - Contradiction or Complement?"

**WL GORE, Kelly Swab**

"Complexities of Condensation in Automotive Headlamps"

**AML Systems, Hassan Koulouh,**

"LuMEMS- Autolevelling using MEMS sensors - How to make autolevelling smarter at affordable cost"

### 12:30 PM DVN AWARDS

### 12:45 AM LUNCH

### 2:15 PM REGULATION SESSION

**Introductory Presentations, Geoff Draper, GTB**

The GRE plan to simplify the lighting and light-signalling regulations in two stages

The plan of the Chinese Government to simplify its mandatory GB standards by Y2020.

The GTB plan to provide GRE with an initial proposal for Stage 2 simplification (UN and China).

The NHTSA and SAE work to develop objective testing requirements for the Adaptive Driving Beam.

**Panel Session**

[Experts representing Regulators, Researchers, Vehicle and Equipment Manufacturers and Standardisation Groups]:

A balanced discussion on the question of how to define

"Performance Based" and "Technology Neutral" and how

technical requirements can be developed in the context of self certification.

### 4:15 PM END OF WORKSHOP

## WORKSHOPS

### LIGHTING WORKSHOPS HAVE BEEN HELD AT:



**Stuttgart**  
May 2009  
20 attendees



**Tokyo, Japan**  
June 2012 and April 2016  
220 attendees



**Paris**  
May 2010, May 2011 and  
February 2014  
220 attendees



**Shanghai, China**  
April 2013 and 2015  
320 attendees



**Rochester, Michigan**  
January 2012, 2013, and 2015  
250 attendees



**Seoul, Korea**  
June 2014  
200 attendees



**New Delhi, India**  
February 9-10, 2016  
200 attendees

### NEXT WORKSHOPS:

**Shanghai, China**  
April 25-26, 2017

**Paris, France**  
February 2018