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PROGRAMME

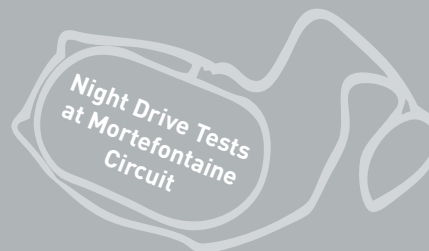
International Conference and Exhibition

VISION 2016

Vehicle and Infrastructure Safety
Improvement in Adverse Conditions
and Night Driving



CITÉ DES SCIENCES ET DE L'INDUSTRIE, PARIS - FRANCE
13 & 14 October 2016





The VISION congress organised by the SIA (French Society of Automotive Engineers) is now well-known. This International Congress was created in 2002 and is held on a bi-annual basis, a conference:

- with a unique platform for top-level scientists and engineers from universities, research centres and industries, represented by directors, managers, department leaders and experts,
- a networking opportunity with exchanges between all lighting/DA players around an exhibition covering a wide range of products and services in the field of lighting and detection systems for ADAS,
- a fast-growing event, with record participation of 420 attendees in 2014, up 20% from 2012,
- characterised by night drive tests with more than 25 demo-cars in 2014 running on a private circuit in order to demonstrate the recent innovations in lighting and driver assistance.

VISION 2016 will be held on the 13th and 14th of October at the “Cité des Sciences et de l’Industrie” in Paris, a place totally dedicated to technology, and a strong example for the automotive lighting community, in particular young engineers and universities.

2016 will see progress in innovation in front-lighting with adaptive lighting systems, LEDs, matrix beams, marker lights, laser beams and night vision, in signal lighting with DRLs, intelligent signal lights and OLEDs, in ADAS with new sensors and detectors, and in the development of virtual simulators for design and validation. The event will bring together around 500 major players in the lighting and ADAS fields to address key topics for vision and road safety.

Hector Fratty,
Conference Chair, Driving Vision News



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PROGRAMME // OCTOBER 13, 2016

07:45	Registration & Welcome breakfast
08:45	Keynote
	General Topics Session chair: Kamislav Fadel - Hella
09:00	Next Lighting Generation: From Static Light Pattern to Light Movies C. Wilks, B. Kubitz - Hella
09:20	Different Headlamp Beam Rating Tests - An Attempt to reflect Car Driver's Needs? T. Wagner, M. Scholl - Automotive Lighting
09:40	Anti-Glare Active Glasses B. Fleury, D. Hue - Valeo
10:00	Panel discussion
10:10	Coffee Break
	Glare and Visibility Session chair: Laurent Serezat - Groupe PSA
10:40	Assistive Illumination, Light-Dynamics and Expected Driver's Perception P. Hartmann - ZKW Lichtsysteme / D. Ansorge - University of Vienna
11:00	Cognitive Models of Lighting Beams (by ELS Research) G. Graciani - Institut d'Optique Graduate School / J-P. Ravier - ELS (Embedded Lighting Systems)
11:20	Spectral Dependence of Visibility under Adverse Weather Condition C-S. Lee, H. Pak, S. Park, E. Choi, H. Park - Yeungnam University
11:40	Estimation of Glare Load from Small Illuminance Peaks in Real Life Driving Situations J. Kobbert, K. Kosmas, W. Löffler, A. Kramer, D. Polin, T. Q. Khanh - Technische Universität Darmstadt
12:00	Panel discussion
12:10	Lunch Break
	LEDs Technologies Session chair: Jean-Philippe Benoist - Renault
13:10	Affordable Full Leds Headlamps with Lighting Signature for Massmarket P-H. Matha, F. Bedu - Renault
13:30	Necessity of 1000 lm Light Source Requirement for LED Headlamps R. Neumann - Varroc Lighting Systems
13:50	Options and Challenges for Improved Lighting Performance using High Current LED E-O. Rosenhahn, M. Licht, B. Huber - Automotive Lighting
14:10	3D Flexible LED Light Source Solutions for Next Generation Creative Signature Lighting D. Vanderhaeghen, R. Peters, A. Timinger, S. Kunz, R. Peddada - Lumileds



PROGRAMME // OCTOBER 13, 2016

Adaptive Driving Beam (ADB) Session chair: Wolfgang Huhn - Audi	
14:30	Optimization of Matrix and Pixel Light Systems W. Gonçalves, C. Le Dall - Groupe PSA
14:50	Development of an Integrated Low-Beam/ADB Unit H. Kawai - Koito
15:10	From Matrix Access to Pixel Lighting X. Morel, B. Reiss - Valeo
15:30	LED Based Matrix Concepts ranging from the Entry ADB up into the High Resolution ADB/AFS Application S. Groetsch, A. Pfeuffer, A. Guenther - Osram
15:50	Panel discussion
Coffee Break	
Dynamic Signal Light Session chair: Laurent Evrard - Valeo	
16:30	Adaptive Intelligent Rear Lamp System P. Albou - Valeo
16:50	OLED Tail Lights - A New Development Process for a New Automotive Light Source P. Rabenau - Audi / T Q. Khanh - Technische Universität Darmstadt
17:10	The World's First Serial OLED Tail Lamp as a Milestone for developing a Brilliant Future of Automotive Lamps M. Vollmer - Odello
17:30	Dynamic Signal Lighting - Off-Axis Detection and Directional Signal Identification J. Bullough, N. P. Skinner - Lighting Research Center / Rensselaer Polytechnic Institute
17:50	Panel discussion
18:00	Departure for Night Drive Tests or Paris Motor Show (night-time opening until 22:00¹⁾) - Shuttle service

CALL FOR DEMO CARS – NIGHT DRIVE TESTS



Organizers are soliciting companies for demonstration vehicles that will showcase technologies related to the conference topics.

Demo cars will be displayed next to the conference venue, in front of the Cité des Sciences et de l'Industrie (day and night security).

Contact: pauline.senis@asia.fr

Night Drive Tests will take place at the Mortefontaine circuit (40 km from the conference venue)



⁽¹⁾ Paris Motor Show address: 40 boulevard Victor – 75015 PARIS - (M) Porte de Versailles or Balard



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Connected Vehicles

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Pixel

OLED

Experts

Engineers

Laser

ADAS

▶ VISION CONGRESS 2016 ◀

Lighting

Demo Cars

LEDs

Exhibition

Night Drive Tests

Networking

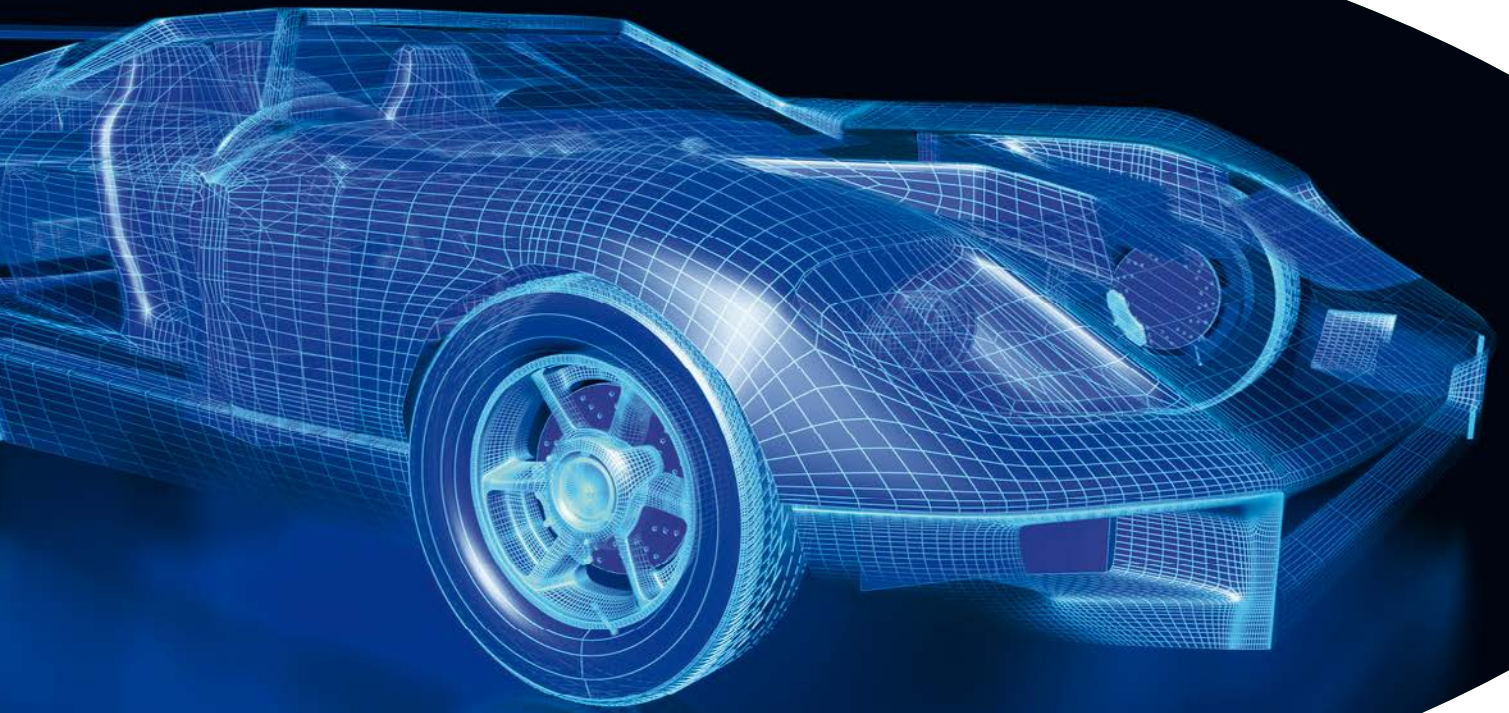
BEAM

PROGRAMME // OCTOBER 14, 2016

08:00	Breakfast
08:15	Keynote
	The Future is Digital Session chair: G. Bahnmüller - Automotive Lighting
08:30	Dynamic Shaping of the Basic Intensity Profile of Adaptive Laser Headlights Based on Resonant MEMS Scanning Mirrors U. Hofmann, T. von Wantoch, S. Gu-Stoppel, F. Senger, V. Stenchly, C. Mallas, H-J. Quenzer - Fraunhofer Institute for Silicon Technology
08:50	Hybrid Illumination Architecture for a High Resolution, High Brightness, Adaptive Headlight using Texas Instruments DLP® Technology V. Bhakta, B. Ballard - Texas Instruments
09:10	BMBF-Project VoLiFa 2020 - Results of the Test Car Integrated LCD Headlamps C. Schmidt - Hella
09:30	Advantages of Laser Scanners for Automotive Headlamps P. Ansgor - Audi / O. Woisetschläger - Osram / B. Reisinger - Zizala Lichtsysteme A. Stötzler, M. Seitz - Robert Bosch / P. Jahn - KIT / T. Mitterlehner - ZKW Elektronik
09:50	From Pixel to High-Definition Headlamps - Challenges and Benefits M. Kleinkes - Hella
10:10	Panel discussion
10:20	Coffee Break
	ADAS to improve Visibility and Communication Session chair: Benoit Besnault - ZF TRW
10:50	Future Communication Possibilities with the Driver using the Front Lighting System M. Budanow, C. Jebas, T. Hausmann - BMW Group / C. Neumann - KIT
11:10	A Visible Light Communication (VLC) System for Platooning Applications B. Bechadargue, J-L. Franchineau, S. Tohme - Vedecom / H. Guan, L. Chassagne - Laboratoire d'Ingénierie des Systèmes de Versailles (LISV)
11:30	All-Weather Vision for Automotive Safety: which Spectral Band? N. Pinchon, M. Ibn-Khedher - Valeo / O. Cassagnol, A. Nicolas - SAFRAN Sagem / E. Bercier - ULIS / F. Bernardin - Cerema P. Leduc - CEA Léti / J-P. Tarel, L. Brémond - IFSTTAR / G. Julien - Nexyad
11:50	Active Gated Imaging Integrated DRL R. Ginat, E. Levi, Y. Grauer - BrightWay Vision / J. Kratochvil, V. Kuben, R. Neumann - Varroc Lighting Systems
12:10	Advanced Lighting Systems Including Night Vision Applications C. Van Dan Elzen, M. Solar - Magna Electronics
12:30	Panel discussion
12:40	Lunch Break
	Towards Autonomous Vehicle Session chair: Vincent Abadie - Groupe PSA
14:10	Camera Based Visibility Detection under Fog Conditions M. Surugue, W. Gonçalves - Groupe PSA
14:30	Long-Range and Robust Fiber-Laser LIDAR for Driving Assistance M. Meunier, F. Chiquet - SensUp
14:50	The Next Generation of Optical Time-of-Flight Technology: Accelerating ADAS Deployment with Increased Performance and Affordability M. Poulin - LeddarTech
15:10	ADIH2: a New Model Based Simulation Platform for Connected ADAS Vehicle N. Haddadou, D. Wautier - Renault
15:30	Panel discussion
15:40	End of conference



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EXHIBITORS



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One page of advertising in the book of conference			½ page	Full page	Full page
Corporate banner included in all e-mailing campaigns					x
Announcement as the unique major sponsor of the congress on all documents					x
Preferential placement in the exhibition area					x
Discount on extra badges*	0%	-5%	-10%	-20%	-30%
Extra space		300 € per square meter			

*As small firms and laboratories enjoy a lower rate, they cannot benefit from this extra discount

ADVERTISING

Do not miss the opportunity to advertise in the congress documents: a portal to leading decision-makers in the automotive industry.

RATES (exc. VAT)	Back cover	Inside	Inside front cover	Inside back cover
Conference book (Distributed to all attendees)	1 300 €	950 €	500 €*	1 100 €
Insertion of company booklet in the conference bags			1 100 €	
Lanyards			1 100 €	
Conference bag with your logo			1 100 €	

*Half-page only

REGISTRATION FORM

International Conference and Exhibition // VISION // PARIS 2016 - 13 & 14 October 2016

Réf: 2016-04

PLEASE COMPLETE AND RETURN THIS FORM TO:

SIA – 79, rue Jean-Jacques Rousseau – F-92158 Suresnes Cedex / Fax: +33 (0)1 41 44 93 79 / pauline.senis@sia.fr

REGISTER DIRECTLY ON LINE: WWW.SIA.FR



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Registration fees

- 1056 € VAT Incl.** (880 € VAT Excl.) - SIA Members
- 1188 € VAT Incl.** (990 € VAT Excl.) - Non Members
- 594 € VAT Incl.** (495 € VAT Excl.) - Co-authors* Researchers*, Labs* and Small Firms*, Poster presenters
- 48 € VAT Incl.** (40 € VAT Excl.) - SIA Member Students (contact marie-claude.buriaux@sia.fr)
- Speakers free** (one per presentation only)

*Small firms, researchers and laboratories must not come under the control of big firms (> 100 employees).

** 5+ registrations made in one transaction only.

On 13th October evening:

- I want to attend the **Night Drive Tests** (SIA reserves the right to restrain the access in case of high demand.)
- I want to attend the **Paris Motor Show** (Night-time opening until 22.00)
- I don't want to attend anything

Payment **Please precise the invoice address**

- By check in Euros** made payable to: "Société des Ingénieurs de l'Automobile"
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REGISTRATION CONDITIONS

- Registration fees include participation in the conference, proceedings, refreshment breaks, lunches and dinner.
- Where it is not possible to send the payment together with the form, each registration should be accompanied by an official purchase order. Failing reception of an official purchase order or payment on the day of the congress, we regret that you will not be allowed entry to the congress.
- When we have received the registration form, we will send you a confirmation message and an invoice. Please indicate the accounts department address where necessary.
- In case of cancellation before 13 september 2016, 30% of the registration fees will be retained. After this date, the entire registration fee will be retained. Registered participants not able to attend may nominate a substitute. Written notice must be provided.



GENERAL INFORMATION



VENUE / ACCESS

Centre des Congrès de la Villette
Cité des Sciences et de l'Industrie
30, avenue Corentin Cariou - 75019 PARIS

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ACCOMMODATION

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OFFICIAL LANGUAGE

English: no simultaneous translation



TRAIN

"Gare de l'Est" is 10 mn away by metro,
"Gare du Nord" (Eurostar & Thalys) is 15 mn,
"Gare Saint-Lazare" & "Gare Montparnasse" are 30 mn,
"Gare de Lyon" is 40 mn away by metro.



BY CAR

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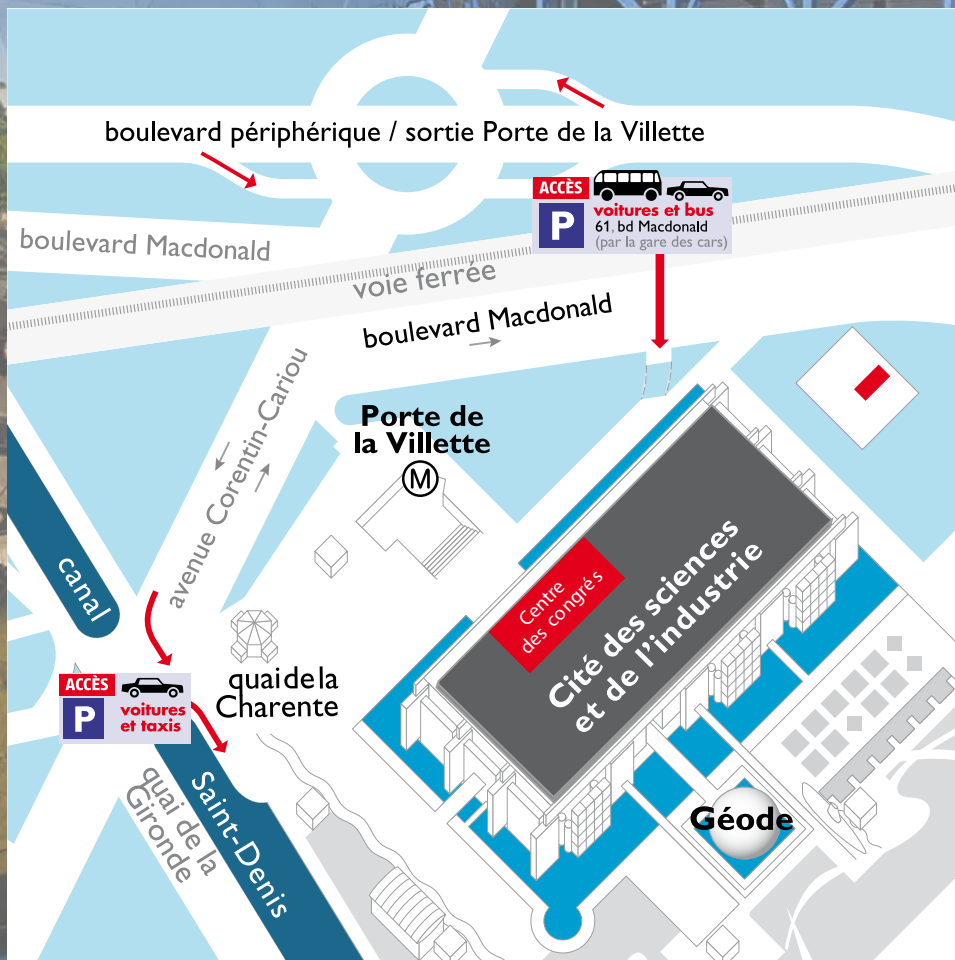
BY MÉTRO

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