

CALL FOR PAPERS

**SUBMISSION
DEADLINE:**

28 February 2018



SIA

SOCIÉTÉ
DES INGÉNIEURS
DE L'AUTOMOBILE

International Conference and Exhibition

SIA VISION 2018

Vehicle and Infrastructure Safety
Improvement in Adverse Conditions
and Night Driving



CITÉ DES SCIENCES ET DE L'INDUSTRIE, PARIS - FRANCE
9 & 10 October 2018

NIGHT DRIVE
TESTS AT
MORTEFONTAINE
PRIVATE TRACK

SIA VISION
2018 



HECTOR FRATTY
Conference Chair,
Driving Vision News

In the light of the growing success of the VISION congresses, SIA (French Society of Automotive Engineers) will again host this event which will be held on the 9 and 10 of October in La Cité des Sciences de la Villette, Paris.

SIA VISION is an International Congress created in 2002 and held on a biyearly basis and a unique platform for top-level scientists and engineers from universities, research centers and industries, represented by directors, managers, department leaders and experts.

It offers you a great 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.

It is now a strongly growing event, with record participation of more than 550 attendees in 2016 and characterized by night drive tests at Mortefontaine private track.

The event will bring together the most relevant worldwide experts in the lighting and ADAS fields to address key topics for vision and road safety.

In addition, an exhibition and night drive tests with more than 25 expected prototype vehicles will take place to demonstrate many recent innovations in lighting and driver assistance systems.

We look forward to seeing you in Paris in October either as a conference speaker, exhibitor or participant.

Yours sincerely.

COMMITTEES

ORGANIZING COMMITTEE

HECTOR FRATTY - DRIVING VISION NEWS
VINCENT ABADIE - GROUPE PSA
JEAN-FRANÇOIS DACQUAY - RENAULT
LAURENT EVRARD - VALEO
KAMISLAV FADEL - HELLA
MICHAEL HAMM - AUDI AG
PATRICK NEBOUT - FAURECIA
VANESSA PICRON - VALEO
JEAN-PAUL RAVIER - CONSULTANT
PATRICE REILHAC - VALEO
NATALIA SCHERBAKOFF - PLASTIC OMNIUM
LAURENT SEREZAT - GROUPE PSA
DIRK VANDERHAEGHEN - LUMILEDS

SCIENTIFIC COMMITTEE ADAS

VINCENT ABADIE - GROUPE PSA
BENOÎT BENAULT - ZF
CHRISTIAN BOQUET - CONTINENTAL
LUC BOURGEOIS - RENAULT
FRANCK CAZENAVE - ROBERT BOSCH
HECTOR FRATTY - DRIVING VISION NEWS
VANESSA PICRON - VALEO

COMMITTEE LIGHTING

CLAUS ALLGEIER - OSRAM GMBH
CHRISTIAN AMANN - BMW
GERD BAHNMÜLLER - AUTOMOTIVE LIGHTING
JY BHARDWAJ - LUMILEDS
JOHN BULLOUGH - RENSSELAER POLYTECHNIC INSTITUTE
JEAN-PAUL CHARRET - JPCONSULTING
LAURENT EVRARD - VALEO
KAMISLAV FADEL - HELLA
HECTOR FRATTY - DRIVING VISION NEWS
WHILK GONCALVES - GROUPE PSA
WOLFGANG HUH - AUDI AG
TRAN QUOC KHANH - TECHNISCHE UNIVERSITÄT DARMSTADT
PAUL HENRI MATHA - RENAULT
RAINER NEUMANN - VARROC LIGHTING SYSTEMS GMBH
MASARU SASAKI - KOITO
RALF SCHAEFER - RS CONSULT
INGOLF SCHNEIDER - ADAM OPEL GMBH
LAURENT SEREZAT - GROUPE PSA

TOPICS TO BE ADDRESSED

LIGHTING SYSTEMS

Status and future development of light sources

- LEDs
- OLEDs
- Laser

Front lighting functions


- LEDs, Laser technologies for front lighting
- Adaptive Driving Beam (Glare Free High Beam)
- Digital light: Matrix, LCD, DMD, MEMs, LED array

Rear/interior lighting functions

- OLED technology for rear/interior lighting
- Adaptive intelligent Rearlighting Systems
- New rear lighting functions

Front, Rear, and Interior lighting for autonomous cars.

Important information for future speakers:

- All necessary instructions for the preparation of papers will be sent to the selected authors in due course.
- The lead author (one per paper) will benefit a free access to the conference and meals.
- Conference language:  English (no simultaneous translation).

DRIVER ASSISTANCE SYSTEMS

Systems

- Perception based on sensor fusion
- Decision, planification and control

Sensors

- Camera, radar, lidar
- Performance in night and adverse conditions
- Future sensors

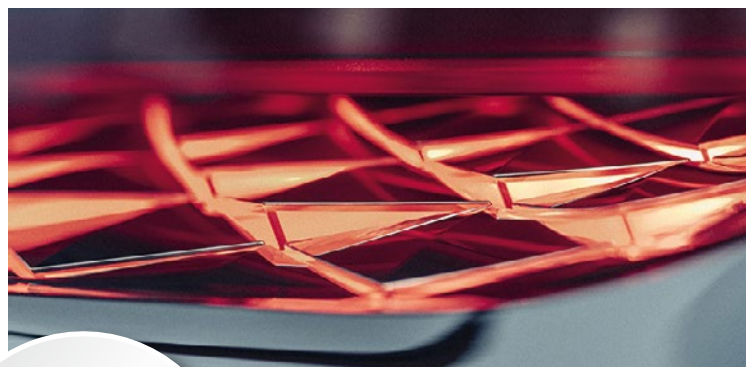
REGULATIONS / DIRECTIVES / STANDARDS

- Euro NCAP
- Measuring and procedure / Test set-ups
- National and international standards
- Harmonization

Experts in the topics mentioned above who would like to take part in this conference are invited to submit their abstracts by 28 FEBRUARY 2018

- Please use the attached form
- Send your abstract to molly.boissier@sia.fr

CALL FOR DEMO CARS – NIGHT DRIVE TESTS



Night Drive Tests will take place at Mortefontaine Private Track (40 km from the conference venue – 1 hour by bus)



Organisers 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: molly.boissier@sia.fr

SUBMISSION FORM VISION 2018

→ Send your abstract to molly.boissier@sia.fr by **28 February 2018**

The authors

About the main speaker:

Title : _____ Forename : _____ Surname : _____
Position : _____
Company : _____
Full address : _____
Phone : _____
Cell : _____
E-mail : _____

About the co-authors#1 :

Title : _____ Forename : _____ Surname : _____
Position : _____
Company : _____
Full address : _____
Phone : _____
Cell : _____
E-mail : _____

About the co-authors#2 :

Title : _____ Forename : _____ Surname : _____
Position : _____
Company : _____
Full address : _____
Phone : _____
Cell : _____
E-mail : _____

About the co-authors#3 :

Title : _____ Forename : _____ Surname : _____
Position : _____
Company : _____
Full address : _____
Phone : _____
Cell : _____
E-mail : _____

About the co-authors#4 :

Title : _____ Forename : _____ Surname : _____
Position : _____
Company : _____
Full address : _____
Phone : _____
Cell : _____
E-mail : _____

About the co-authors#5 :

Title : _____ Forename : _____ Surname : _____
 Position : _____
 Company : _____
 Full address : _____
 Phone : _____
 Cell : _____
 E-mail : _____

About the co-authors#6 :

Title : _____ Forename : _____ Surname : _____
 Position : _____
 Company : _____
 Full address : _____
 Phone : _____
 Cell : _____
 E-mail : _____

**REGISTRATION FEES FOR SPEAKERS (one per presentation): 0 € VAT Excl.
 CO-AUTHORS: 495 € VAT Excl.**

The abstract

- **Topics classification**

☐ A. LIGHTING SYSTEMS

- ☐ A.1. Status and future development of light sources
- ☐ A.2. Front lighting functions
- ☐ A.3. Rear/Interior lighting functions
- ☐ A.4. Front, Rear and Interior lighting for autonomous cars

☐ B. DRIVING ASSISTANCE

- ☐ B.1. Systems
- ☐ B.2. Sensors

☐ C. REGULATIONS / DIRECTIVES / STANDARDS

Title of paper:

Abstract (max. 1500 characters):

Relevance and innovation of your presentation:

Comments:



GENERAL INFORMATION

VENUE / ACCESS

Centre des Congrès de la Villette

Cité des Sciences et de l'Industrie

30, avenue Corentin Cariou - 75019 PARIS

Tel.: +33(0) 1 40 05 70 00

www.cite-sciences.fr



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

Car park

Entrance at "quai de la Charente". Open every day 24/24.
1600 places with direct access.

Taxis

Entrance by "quai de la Charente"
or by "boulevard McDonald".



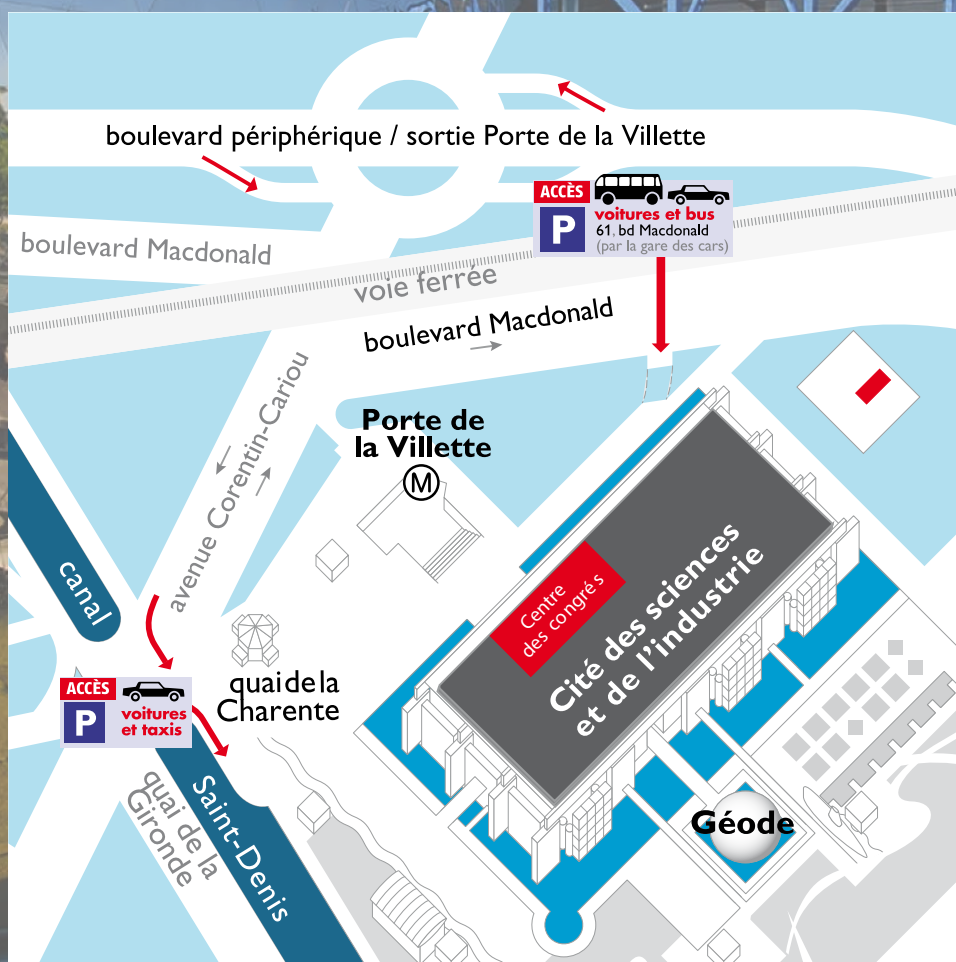
BY MÉTRO

Line 7 in direction of "La Courneuve - 8 mai 1945"
Get out at station "Porte de la Villette"



FROM CHARLES DE GAULLE AIRPORT

35 mn by train (RER B) • 30 mn by car





SIA

SOCIÉTÉ
DES INGÉNIEURS
DE L'AUTOMOBILE

Moving Forward **Together***

*Progressons ensemble

Depuis 1927,

En France les ingénieurs automobiles,
membres de la SIA partagent
innovations et développement des
nouvelles technologies.

Rejoignez la SIA

Pour imaginer, avec les meilleurs
experts internationaux, le Futur de
la Mobilité du XXI^{ème} siècle.

www.sia.fr

PFA | FILIÈRE
AUTOMOBILE
& MOBILITÉS

Membre de la PFA et de la FISITA

FISITA 