SIA SOCIÉTÉ DES INGÉNIEURS DE L'AUTOMOBILE

CALL FOR PAPERS

With the support of the French Car Industry

PFA FILIÈRE AUTOMOBILE & MOBILITÉS

Flev ÉQUIPER LE FUTUR DE L'AUTOMOTIVE

International Conference, Demo Cars and Exhibition

SIA VISION 2022

Vehicle and Infrastructure Safety Improvement in Adverse Conditions

Submission Deadline:

10 MARCH 2022

19 - 20

OCTOBER 2022

CITÉ DES SCIENCES ET DE L'INDUSTRIE, PARIS - FRANCE

Hector Fratty,
Conference Chair,
Driving Vision News

Ultimately, lighting systems became performant with Xenon, thrifty with leds, smart with Matrix…

Through the integration of sensors, the paraboles of yesteryear are not only spreading light but gaining sight. At the crossroad between safety, design and efficiency constraint, lighting sytems are steadily pushing their technical boudaries.

On **October 19 & 20 October 2022** in Paris, the 12th edition of the VISION congress will be the meeting point for the key lighting and ADAS experts.

During two full days, representatives of OEMs, systems suppliers, universities and public authorities will share achievements and insights through conferences, a wide product exhibition and hands-on experiences.

Programming for this milestone event opens today and a**bstracts are expected by March 10th, 2022**.

Upon review by the Scientific Commitee, you will be contacted personally.

We look forward to receiving your proposals on the topics here below.

Yours sincerely.

TOPICS TO BE ADDRESSED

1. Vehicle Equipments & Systems

- Front Lighting ADB with Matrix, LED-arrays, DMD, LCD, LCoS
- Other advanced Front Lighting Technologies : New functions /communication, road projection, LEDs, Laser and Aesthetics
- Rear Lighting: Technologies, New functions/ communica-tion, LED, OLED and Aesthetics
- Side Lighting: New functions / communication and road projection
- Lighting and Signaling for EV and AV, Vehicles signatures evolution
- Cleaning systems for windshield and sensors
- Power consumption reduction

2. Making the Vehicle Aware of its Surroundings

- Detectors: Ultrasonic, Radar, Lidar, Cameras, etc.
- Data Processing
- Driver Assistance Functions
- Connectivity

3. Human/Machine Interfaces and Interactions

- Projection of information in the external environment (2D, 3D) or in the driver environment through augmented reality
- Contributions of these new HMIs (navigation assistance, driving safety, information for other users, complement to current ADAS, etc.)
- Management of driver/HMI/ADAS cohabitation (assist without disturbing or distracting)
- Control of functional and safety risks induced by these new HMI

4. Sustainability

- New material recycled
- Lightweight technology
- Overall efficiency (electronics and optical)
- Low power consumption
- Life cycle assessment
- Reparability

5. Regulations and Standards

- Road projection from Front and Rear
- New Lights on logo, front, rear, side
- Works in GTB and worldwide regulations

Any other paper presented on a topic not quoted above but having scientific, technical or strategic interest will be taken into consideration.

Experts in the topics mentioned above who would like to take part in this conference are invited to submit their abstracts by **10 MARCH 2022**

> Please use the attached submission form and send it back to **martin.pierrelee@sia.fr**

COMMITTEES

Conference Chair

Hector FRATTY, DRIVING VISION NEWS

Steering Committee

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Marc PAJON, RENAULT GROUP
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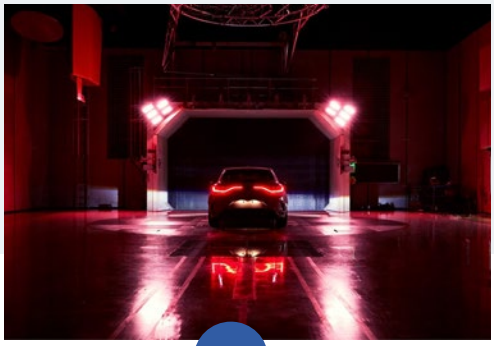
Showcase your technologies



CALL FOR DEMO CARS

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

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

If you are interested, please send an email to **martin.pierrelee@sia.fr**

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PARIS 19-20 OCTOBER 2022

Vehicle and Infrastructure Safety Improvement in Adverse Conditions

SUBMISSION DEADLINE
10 MARCH 2022

To be sent back to
martin.pierrelee@sia.fr

Important information for future speakers

> Conference language: English (no simultaneous translation)
> The time allowed to speaker will be 15 minutes + 5 minutes for Q&A
> Successful authors commit themselves to send their biography and to produce a **Full Paper (6-12 pages)** on month before the congress, their presentation in PDF and PPT format MUST be sent to SIA two weeks before the congress.

Key dates

10 March 2022: abstract submission deadline

30 March 2022: Scientific Committees review

6 April 2022: authors will be notified of the Committees decision

16 September 2022: deadline to send authors' biography & **Full Paper**

7 October 2022: deadline to send PDF and PPT presentations

Other information

The time allowed to speaker will be 20 minutes.
The main author (one per paper) of selected papers will have a free entrance, 2 co-authors can benefit from a discount rate.

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 : .....

ATTENTION
Only the main speaker is free of participation fees.
2 co-authors can benefit from discount fee if and only if they are listed here.

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About the co-authors#3:

Title : ..... Forename : ..... Surname : .....
Position : ..... Company : .....
Full address : .....
Phone : ..... Cell : .....
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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 : .....

THE ABSTRACT

Topics classification to be specified in the Abstract form (next page)

1. Vehicle Equipments & Systems
2. Making the Vehicle Aware of its Surroundings
3. Human/Machine Interfaces and Interactions
4. Sustainability
5. Regulations and Standards

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Abstract

Company + Name, position & email of the main SPEAKER + email of the main contact:

Title of paper:

Abstract (Max. 1500 characters):

Relevance and innovation of your presentation:

Topics classification:

GENERAL INFORMATION

VENUE / ACCESS

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By 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.

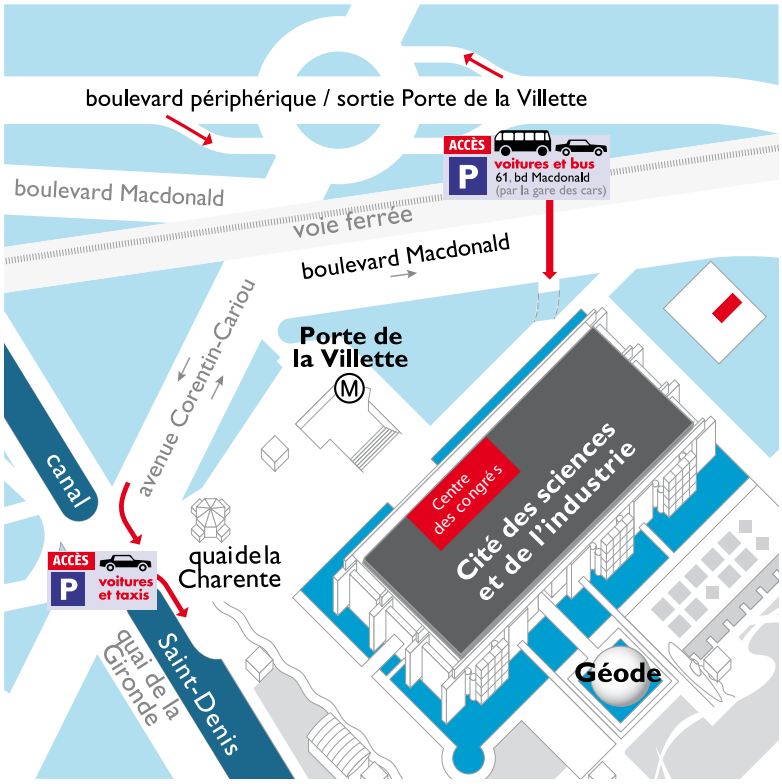
By car

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