

➤ CALL FOR PAPERS



中国汽研
CAERI



International Conference and Exhibition // 11th edition

AUTOMOTIVE NVH COMFORT LE MANS 2020

Automotive & Urban Soundscape

Deadline for
abstracts
submission
**MARCH 27,
2020**

**14 - 15 OCTOBER
2020**


The congress will be held in China in 2021!

**PALAIS DES CONGRÈS DU MANS
FRANCE**

TOPICS TO BE ADDRESSED

- > Noise and Vibration Regulation, Environmental Issues and Urban Soundscape
- > Sound quality related to Automomous Driving and the new HMI
- > Integration of smart control for NVH (infotainment, active control, sound design per new technologies...)
- > Powertrain acoustics and vibrations (ICE)
- > Acoustics and vibration of electric and hybrid vehicles
- > Flow-induced noise / Aeroacoustics
- > Recent advances in NVH of automotive systems and components
- > Road induced noise and vibrations
- > Acoustic insulation of vehicle body (lightweight design)
- > Recent advances in simulation and hybrid test methods
- > Quality processes applied for acoustic
- > Interaction of drive comfort and NVH

SUBMISSION INFORMATION



Conference
language:
English only

Experts in the topics mentioned above who would like to take part in this conference are invited to submit their abstracts by **27 March 2020**. Please use the attached submission form and send it to **martin.pierrelee@sia.fr**

- > The abstract selection criteria are the scientific relevance, the clarity of the text and the good level in English.
- > All necessary instructions for the preparation of the paper will be sent to the selected authors.
- > The authors will have to submit a paper for inclusion in the conference proceedings.
- > The following Scientific Committee will review and select the abstracts with the help of the programmatic committee.

THE FOLLOWING INTERNATIONAL SCIENTIFIC COMMITTEE AND THE PROGRAMMATIC COMMITTEE WILL REVIEW THE SUBMITTED ABSTRACTS TO CREATE THE CONGRESS PROGRAMME

Programme committee:

- Thomas ANTOINE, Expert Leader Noise & Vibration technologies, Groupe Renault
- Pascal BOUVET, Executive manager, Vibratec
- Nicolas DAUCHEZ, Professor, UTC
- Arnaud DUVAL, Acoustic & Innovation Director, Trèves
- Léon GAVRIC, Senior Expert NVH, PSA Group
- Johan GREBERT, Technical Expert Acoustics, Autoneum
- Hervé GROS, Chief executive, SIA
- Jean-Christophe LE ROUX, Acoustic & Vibrations head of department, CTTM
- François LOHR, NVH performance manager, Michelin
- Saïd NAJI, NVH Master Expert, Valeo
- Charles PEZERAT, Professor, LAUM
- Louis-Ferdinand PARDO, Audio/Active Sound Quality Specialist, Groupe Renault
- Hervé PICHON, Chief executive, CTTM
- Martin PIERRELEE, Event & communication manager, SIA
- Laurent POLAC, Vibration Teferent, Groupe Renault
- Romain BARBEAU, NVH Senior Expert, UTAC CERAM
- Jean-François RONDEAU, Immersive Sound System, Product Line Director, Faurecia
- Kresimir TRDAK, Group Senior Expert NVH, Hutchinson

International scientific committee:

- Alain BERRY, Chair professor, Université de Sherbrooke
- Arnaud BOCQUILLET, NVH expert for Airborne Noise, BMW
- Li CHENG, Chair professor, The Hong Kong Polytechnic University
- Antoine GUELLEC, Technical expert NVH, Audi
- Peiran LI, Executive Deputy Director, CAERI
- Patrick VAN DE PONSEELE, Technical Expert & Sr. Product Development Manager, Siemens

A WORD FROM THE CONGRESS PRESIDENT



Leon Gavric,
Conference Chair - PSA
Group

The 2020 edition of SIA Automotive NVH Comfort conference, organized by SIA and CTTM, will take place on 14th and 15th October in Le Mans, France. In order to increase the international impact, the 2020 conference is organized in collaboration with CAERI State Key Laboratory of vehicle NVH and safety Technology, which is one of the principal Chinese partners of SIA.

As all the previous editions, the 2020 NVH conference, will address a specific topic, which presents a major interest for the automotive NVH community. This time, we would like to address « Automotive noise, regulation and urban soundscape ».

With over 50% of mankind living in urban and suburban area, the question of noise exposure is leading to more and more stringent noise regulation, along with a need to adapt to the specific noise signature of new technologies for safety issues (AVAS for Electric vehicles). Those regulations are aiming for a progress in the quality of life, an improvement of health and safety and to protect the environment. It is therefore necessary for NVH automotive engineers to better understand the regulatory aspects of noise in the environment, and the reality and challenges of modern soundscapes to ensure that those goals are met.

The automotive acoustic community would like to address the following issues:

- > **What is the place of vehicle noise among the nuisance sources in urban area?**
- > **What is the influence of the environment on transportation noise (road surface, green areas, vegetal green walls,...)?**
- > **Is the actual noise regulation strategy appropriate to limit the real impact of vehicles to urban noise?**

This particular edition will be therefore centered on citizen perception as a pedestrian exposed to traffic and vehicle charging noise, as a driver or a passenger in a car, and will cover the necessary technical challenges manufacturers are facing today: lightweight design, impact of new technologies and driver experiences, audio sound design and the necessary changes in methodology and approaches. With autonomous vehicle on its way, the driving experience will dramatically change: how shall we design for NVH when everyone in the car will be a passenger, what are the right tradeoffs between driving comfort and NVH? Moreover, this year we would like to create a special session concerning the vibrational drive comfort of vehicles and its interaction with the NVH. Consequently, the papers dealing with tradeoff between NVH and driving comfort issues are particularly welcome.

Join us to make a huge success of the 2020 Automotive NVH Comfort Conference in Le Mans, France!

PHD POSTERS

You can decide to submit a poster that will be evaluated on the first day of the congress by a jury of NVH experts.
The author of the winning poster will get the opportunity to present its work during the plenary session of the congress!

Topics to be addressed

Present your recent & relevant research works with re'spect to the topics above.

EXHIBITION, SPONSORING & ADVERTISING

An exhibition will take place near the conference rooms during the 2 days of the conference. This exhibition will allow you to inform the participants, to present your new products or solutions and to create privileged contacts within this unique gathering of target decision-market.

BECOME A SPONSOR!

Maximize your visibility by becoming a sponsor: with a corporate sponsorship, you gain unmatched recognition as an industry leader and generate an abundance of goodwill.

You can also benefit from advertisement in the congress documents, your ad in the program or proceedings, lanyards or bag of conference with your company logo... We have various possibilities on quotation or according to company budget.

Please contact Luce Caytan from CTTM for more information: lucenvh2020@gmail.com, + 33 6 14 21 65 46

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ADVERTISING

Gain in visibility during our congress with those advertising opportunities!

Rates (VAT exc.)	BACK COVER	INSIDE	INSIDE FRONT COVER	INSIDE BACK COVER
Book of conference	1 300 €	950 €	550 €*	1 100 €
Insertion of leaflet in bag			1 500 €	
Lanyards			2 000 €	

* Page A5



CONTACTS:

CONFERENCE:

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EXHIBITION & SPONSORING:

LUCE CAYTAN // CTTM // lucenvh2020@gmail.com // + 33 6 14 21 65 46

Automotive NVH Comfort | Le Mans 2020

Automotive & Urban Soundscape

→ 14 & 15 October 2020 – Palais des Congrès du Mans - France

Selection criteria

- Scientific relevance
- Clarity of the text
- Good level in English

→ The organisation committee reserve the right to make recommendations and requests to the authors in order to meet their expectations in terms of quality and topics orientation.

The authors

About the main speaker:

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

* If you want to candidate for the PHD POSTER, please indicate your school.

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 : _____
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About the co-authors#3 :

Title : _____ Forename : _____ Surname : _____
Position : _____
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About the co-authors#4 :

Title : _____ Forename : _____ Surname : _____
Position : _____
Company : _____
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About the co-authors#5 :

Title : _____ Forename : _____ Surname : _____
Position : _____
Company : _____
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About the co-authors#6 :

Title : _____ Forename : _____ Surname : _____
Position : _____
Company : _____
Full address : _____
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ATTENTION

Only the main speaker is free of participation fee, co-authors will benefit from a special fare only if they are listed above.

The abstract

- **Topics classification**

1. Noise and Vibration Regulation, Environmental Issues and Urban Soundscape
2. Sound quality related to Automomous Driving and the new HMI
3. Integration of smart control for NVH (infotainment,active control, sound design per new technologies...)
4. Powertrain acoustics and vibrations (ICE)
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6. Flow-induced noise / Aeroacoustics
7. Recent advances in NVH of automotive systems and components
8. Road induced noise and vibrations
9. Acoustic insulation of vehicle body (lightweight design)
10. Recent advances in simulation and hybrid test methods
11. Quality processes applied for acoustic

Abstract

Title of paper:

Abstract (max. 1500 characters):

Relevance and innovation of your presentation:

Comments:

REGISTRATION FORM

Automotive NVH Comfort - Active Vibro-acoustics: Noise Cancellation & Sound Design // 14 & 15 October 2020
Réf: 2020-05

PLEASE COMPLETE AND RETURN THIS FORM:

by mail: CTTM // Luce CAYTAN - Technopole Université – 20 rue Thalès de Milet – 72000 Le Mans – France
by e-mail: lucenvh2020@gmail.com
by fax: +33 (0)2 43 39 46 47

Please use **BLOCK CAPITALS**

M^{rs} M^s M^r D^r Dipl-Ing

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Registration fees

- 1188 € VAT Incl.** (990 € VAT Excl.) - Non Members
- 1056 € VAT Incl.** (880 € VAT Excl.) - SIA, CTTM
- 594 € VAT Incl.** (495 € VAT Excl.) - Co-authors/Small companies/Labs/Researchers/Univ.* (< 100 employees)
- 240 € VAT Incl.** (200€ VAT Excl.) - PhD students**
- 180 € VAT Incl.** (150 € VAT Excl.) - Students**
- 0 €** - Main speaker must register online > www.sia.fr

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

**Please attached your student card - Gala dinner is not included

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REGISTRATION CONDITIONS

- Registration fees include participation in the conference, proceedings, book of abstracts, refreshment breaks and 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 **14 September 2020**, 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.

LE MANS & THE PLANTAGENET CITY



USEFUL INFORMATION



ACCESS

Palais des Congrès et de la Culture du Mans
Rue d'Arcole - 72 000 Le Mans, France

Paris > Le Mans

2 hours by car

P Car park available: entrance at boulevard Demorieux or rue Barbier

54 minutes by train, from Montparnasse station

Le Mans station is 7 minutes from the Palais des Congrès by foot.

Public transportation in Le Mans

Bus line 17 (stop at "Palais des Congrès")

HOTEL ACCOMMODATION

IBIS STYLES***
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