

CALL FOR PAPERS

**SUBMISSION
DEADLINE:
4 March 2018**



SIA

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International Conference and Exhibition

AUTOMOTIVE NVH COMFORT LE MANS 2018

Quietness Mobility of the Future



PALAIS DES CONGRÈS DU MANS - FRANCE
17 & 18 October 2018

**10TH
EDITION**



CHARLES ZHANG
Conference Chair
Renault

The 10th edition of Automotive NVH comfort conference will take place on October 17th & 18th, 2018 in Le Mans which is known for its acoustic laboratories and research institutes.

With 20 years history, the Automotive NVH Comfort conference in Le Mans has become one of the most important events for the automotive acoustic community. In 2016, more than 200 engineers and researchers from 10 countries joined our conference. They represent European & worldwide automotive OEMs, suppliers, engineering companies and research institutes.

As previous editions, a large scope of topics will be addressed such as vehicle, powertrain, system & component case studies, new materials, light weight concepts, progress in numerical and experimental methodologies. In addition to classical NVH topics, there will be a special session concerning the NVH of future vehicles, which addresses the challenge and opportunity concerning Battery Electric Vehicle (BEV), Plug-in Hybrid Electric Vehicle (PHEV), Autonomous Driving and Connected cars. We invite not only the Acoustic community but also engineers dealing with Electronic and Artificial Intelligence to join this event.

As the last edition, we will award a Young NVH Engineer to motivate research and industrial application works. In 2016, Dr M. T. Hoang from Faurecia was awarded for his paper "Microstructure morphological optimization of foam-based lightweight insulators".

We are counting on all of you, to make a huge success of the 2018 the Automotive NVH Comfort Conference!

Yours sincerely.

SCIENTIFIC COMMITTEE

ORGANIZING COMMITTEE

CHARLES ZHANG - RENAULT
PASCAL BOUVET - VIBRATEC
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JEAN-FRANÇOIS RONDEAU - FAURECIA
KRESIMIR TRDAK - AUTONEUM


TOPICS TO BE ADRESSED

- Sound quality related to Automomous Driving and the new HMI
- Integration of smart control for NVH (infotainment, active control, sound design per new technologies...)
- Customer perception of noise and vibration, environmental issues and regulations
- 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

SUBMISSION INFORMATION

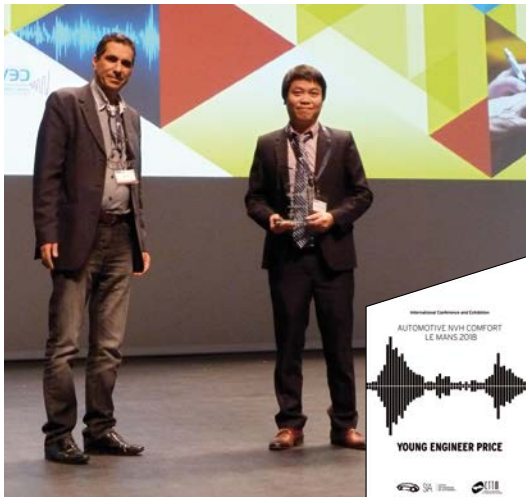
Experts in the topics mentioned above who would like to take part in this conference are invited to submit their abstracts by **4 MARCH 2018**

Please use the attached submission form and send it to **molly.boissier@sia.fr**

- Conference language:  English only
- 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 committee will select the most promising papers to be published in the magazine *Ingénieurs de l'Auto*



YOUNG ENGINEER PRICE / 2ND EDITION

In order to encourage the vocation and the motivation for technical careers, a specific PRICE FOR THE BEST PAPER written by young engineers and/or researchers, will be delivered by the scientific committee of the conference

The price concerns the principal authors under **35 years-old** of all the accepted conference papers.

CRITERIA FOR WINNING THE PRICE

- relevance of presented topics
- scientific interest
- rigor of used methods
- limpidity and clarity of presentation

Moreover, the winner's article will be published in the magazine *Ingénieurs de l'auto*.

If you want to candidate, please read the information above regarding the submission process. It is the same as the other candidates.

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.

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Please contact Luce Caytan from CTTM for more information: nvh2018@cttm-lemans.com

CONTACTS

EXHIBITION & SPONSORING

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Automotive NVH Comfort | Le Mans 2018

Quietness Mobility of the Future

→ 17 & 18 October 2018 – Palais des Congrès du Mans - France

Experts are invited to submit their abstracts by **4 March 2018** by sending this form to molly.boissier@sia.fr

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 : _____
Age* : _____
Position : _____
Company : _____
Full address : _____
Phone : _____
Cell : _____
E-mail : _____

*** If you want to candidate for the YOUNG ENGINEER PRICE, you must be under 35 years old.**

About the co-authors#1 :

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About the co-authors#2 :

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Position : _____
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About the co-authors#3 :

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About the co-authors#6 :

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

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. Sound quality related to Automomous Driving and the new HMI
2. Integration of smart control for NVH (infotainment, active control, sound design per new technologies...)
3. Customer perception of noise and vibration, environmental issues and regulations
4. Powertrain acoustics and vibrations (ICE)
5. Acoustics and vibration of electric and hybrid vehicles
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:



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