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ROUEN 2018

30TH EDITION

International Conference and Exhibition

SIA POWERTRAIN ROUEN 2018

The New Compression Ignition Engine For Passenger Cars
& Commercial Vehicles

 **ROUEN, NORMANDY - FRANCE**
16 & 17 May, 2018

TOPICS TO ADDRESS:

- Worldwide market requirements and powertrain development trends
- New engines for passenger cars, commercial vehicles, off-road and industrial applications
- Fuel injection technology and combustion processes
- Air and EGR management systems
- Thermal management
- Waste heat recovery
- Exhaust aftertreatment concepts
- Powertrain efficiency improvements
- Advanced thermodynamic cycles
- Alternative powertrain energy types: Sustainable liquid and gaseous fuels, fuel cell...
- Ways toward transportation decarbonisation (well-to-wheel)
- Driveline and transmission matching
- Powertrain management systems
- Hybrid powertrain systems and ancillary electrification
- Range extenders for electric applications
- Intelligent powertrain: Automated driving, connected vehicles...
- Modeling and simulation
- Engine, vehicle tests and calibration techniques

 **DEADLINE FOR SUBMISSION: 2 OCTOBER, 2017**
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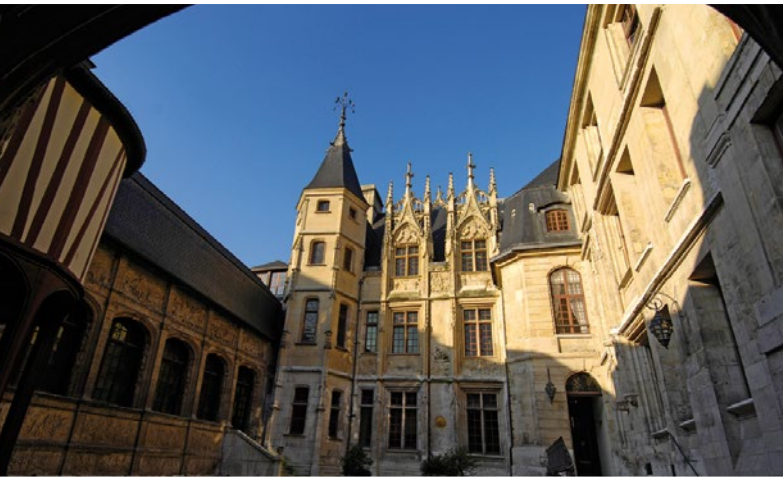


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Dear Colleagues,

The automotive sector is experiencing an unprecedented transition towards new forms of mobility that include a massive integration of digital culture, hybridization, electrification and the creation of new mobility services. The scientific community is driving intense research into electricity storage capability, hydrogen fuel cells..., whilst maintaining their focus on internal combustion engines, hybridization and sustainable fuels for passenger cars, commercial vehicles, off-road and industrial applications.

In this context, the internal combustion engine still has a great potential. In particular, Diesel technology remains an attractive powertrain option, both for Total Cost of Ownership and for meeting the challenging fleet CO₂ emissions targets. Furthermore, its high fuel economy enables a long range between refueling stops, thus representing the best available solution for high annual mileage and heavy goods transportation vehicles. As a result of continuous improvements in efficiency and emissions, Diesel technology will still have a key role to play in future sustainable mobility. Progress is foreseen in many areas such as ancillary electrification, combustion efficiency, thermal management, waste heat recovery, mechanical friction, exhaust after-treatment, hybridization and transmissions.

In addition, the integration of the different powertrain sub-systems and the shift to real driving test conditions is increasing system complexity. This requires a global system approach and recourse to more virtual development processes in order to provide affordable and efficient powertrain solutions.

The 30th SIA Powertrain Conference on New Compression Ignition Engines for Passenger Cars and Commercial Vehicles to be held in Rouen, France on May 16-17, 2018, intends to address many of these established and new topics. Reflecting the ongoing focus shift in transportation decarbonisation to a well-to-wheel basis, new topics will be introduced on alternative powertrain energy types (sustainable liquid and gaseous fuels) and fuel cells. The conference will support the automotive community in providing an overall picture of state-of-the-art technologies and by anticipating future development challenges. This congress is recognized by the automotive stakeholders as an exceptional and unique technical event showing continuous growth in the number of participants and exhibitors. The 29th edition of the conference in Versailles in June 2017 was again a great success with more than 590 participants, 58 technical presentations and 24 exhibitors.

The Organizing Committee cordially invites you to take advantage of this internationally renowned event and to submit abstracts on any of the related conference topics by 2nd October 2017.

We look forward to seeing you in Rouen next year either as a conference speaker, exhibitor or attendee.

Conference Chair

Dr Noureddine GUERRASSI,

Chief Engineer, Advanced Injection & Combustion Engineering, DELPHI

ORGANISING AND SCIENTIFIC COMMITTEES

CONFERENCE CHAIR

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IMPORTANT INFORMATION & DEADLINES

Speakers will be allocated 25 minutes each (20 minutes for presentation and 5 minutes for questions).
 All necessary instructions for the preparation of the paper will be sent to the authors after selection.
 The lead author (one per paper) will benefit a free access to the conference and meals.

Conference language: 

- Proposals for papers must reach us by **2 October 2017**.
- The successful papers will be selected by the organising committee and authors will be notified accordingly by **December 2017**.
- Before **13 April 2018**, successful authors must submit their manuscript for inclusion in the conference proceedings.



SIA POWERTRAIN // ROUEN 2018

The New Compression Ignition Engine For Passenger Cars & Commercial Vehicles

> 16 & 17 May, 2018 - Rouen, Normandy - France

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2 OCTOBER 2017

The authors

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ATTENTION please: Only the main speaker is FREE of CHARGE. Co-authors benefit from a special rate of 495,00€ VAT excluded *
* French VAT = 20%

The abstract

- **Topics classification**

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- Modeling and simulation
- Engine, vehicle tests and calibration techniques

- Résumé

Title of paper:

Abstract (max. 1500 characters):

Relevance and innovation of your presentation:

Comments:



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