International Conference and Exhibition

SIA POWERTRAIN
ROUEN 2018

The New Compression Ignition Engine, Electrification and Sustainable Fuels for Passenger Cars and Commercial Vehicles

16 - 17 MAY
2018

PARC DES EXPOSITIONS
ROUEN, FRANCE
ENSURE LOW-EMISSION DIESEL ENGINES FOR BETTER AIR IN THE CITIES.

WE SUPPORT YOU IN THE DEVELOPMENT AND APPLICATION OF NEXT GENERATION HIGH-EFFICIENCY CAR DIESEL ENGINES

Your engineering partner:

- High efficiency combustion for lowest emissions
- Powerful exhaust aftertreatment systems for future clean air requirements
- Holistic low-emission concepts
- Cost-effective & efficient retrofit solutions, for instance for EURO-5 vehicles
- Electrified diesel engine drive concepts - from 48V up to high-voltage systems

www.fev.com
contact: sales@fev.com
Tel: 01 30 13 07 07
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 electric 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 Engine, Electrification & Sustainable Fuels for Passenger Cars & 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 590 participants, 58 technical presentations and 24 exhibitors.

The Organizing Committee cordially invites you to take advantage of this internationally renowned event in powertrain R&D knowledge and experience exchange.

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

Yours sincerely,

Dr Noureddine Guerrassi
Inspiring mobility

smart life on board

sustainable mobility

faurecia.com
COMMITTEES

Conference chair
Noureddine Guerrassi, DELPHI TECHNOLOGIES

Chairmen
Federico Millo, POLITECNICO DI TORINO
Amin Velji, KARLSRUHE INSTITUTE OF TECHNOLOGY

Organising committee
Nadim Andraos, FEV
Philippe Bernet, RENAULT
Jean-Marc Boulard, AVL
Pierre Duret, IFP SCHOOL
Omar Hadded, DRIVE SYSTEM DESIGN
Olivier Imberdis, IAV
Emmanuel Jean, FAURECIA
Marc Lejeune, AB VOLVO
Geoffroy Martin, MOV’EO
Stéphane Martinot, VALEO
Jean-Jacques Milesi, DYNERGIA
Gaëtan Monnier, IFP ENERGIES NOUVELLES
Hans Nulgisch, CONTINENTAL
Sébastien Potteau, EMC-MTT
Erwann Samson, GROUPE PSA
Rémy Schmitt, ROBERT BOSCH

Scientific committee
Nicolas Auffret, LIEBHERR
Jesus Benajes, CMT UNIVERSITAT POLITECNICA DE VALENCIA
Philippe China, TOTAL
Bertrand Demortier, CONTINENTAL
Gaetano de Paola, IFP ENERGIES NOUVELLES
Fabrice Foucher, UNIVERSITE D’ORLEANS
Jean-Florent Genies, GROUPE PSA
Jörg Gindele, MAGNA
Thomas Koch, KARLSRUHE INSTITUTE OF TECHNOLOGY
Thomas Körfer, FEV
Jan Macek, CZECH TECHNICAL UNIVERSITY
Juergen Manns, IAV
Kyoungdoug Min, SEOUL NATIONAL UNIVERSITY
Ali Mohammadi, TOYOTA
Steffen Meyer, BORGWARNER
Virginie Morel, ARAMCO
Luc Muller, SCHAEFFLER
Philippe Pelletier, RENAULT
Jean-Charles Ricaud, ARTS ET METIERS PARISTECH
Nicolas Robert de Saint Vincent, JOHN DEERE
Daniel Roettger, FORD
Jean-Sébastien Roux, HONEYWELL
Bianca Maria Vaglieco, ISTITUTO MOTORI – CNR
Andy Ward, RICARDO
Michael Weissbäck, AVL
Zaimin Zhong, TONGJI UNIVERSITY CHINA

PANEL SESSION’S PARTICIPANTS

Christophe AUFRERE
Faurecia
Chief Technology Officer.
French Automotive Research Committee President

Christian CHAPELLE
Groupe PSA
SVP - Powertrain & Chassis Engineering

Philippe DIVRY
AB Volvo
SVP Group Truck Strategy

Gaspar GASCON ABELLAN
Groupe Renault
EVP - Product Engineering.
French Automotive Technologies Committee President

Mary GUSTANSKI
Delphi Technologies
SVP & Chief Technology Officer
Ricardo puts future powertrains first

Be part of a winning partnership

A global team of automotive electrical systems consultants with extensive experience in engineering hybrid, plug-in hybrid, electric and range extended electric vehicles and future powertrains.

Email: info@ricardo.com  Tel: +44 (0)1273 455611

Ricardo plc | V1.16B U

Copyright © Ricardo plc

Delivering Excellence Through Innovation & Technology

www.ricardo.com
15 MAY AFTERNOON & 18 MAY MORNING

We are glad to invite you to visit our partners’ facilities the day before the SIA POWERTRAIN Congress and the day after.
Please select the visit you wish to attend when registering on our website.

CERTAM - Aerothermic and Internal Combustion Engine Technological Research Centre

Come & Test the PEMSLabs « Plug’n & Roll » System

Resulting from a CERTAM development and supported by the CARNOT ESP Institute, the PEMSLAB is a multigas and particle measurement solution under real driving conditions...

Plug’n Roll is a concept for faster implementation than conventional PEMs, not limited to the 5 regulated pollutants to meet the needs of automobile industry for the engine development. The FTIR spectrometric measurement technology makes it possible to measure all the chemical species emitted by the engines, allowing a great deal of flexibility in R&D projects (spectra replay, post-analysis identification of other compounds). Virtually limitless autonomy by the choice of a thermal group to power the PEMSLAB avoiding the constraints related to batteries.

IRSEEM - Embedded Electronic Systems Research Institute

Visit of the 3 main Research Platforms:

› Hybrid and Electric Vehicle Platform
› Autonomous Navigation Platform
› EMC Mechatronics Microelectronics Platform

IRSEEM’s activity units join their competences in electronics, automation, signal and image processing, networks and telecommunication within partner-oriented research programs in order to come up with innovative and sustainable answers to the challenge of electronic embedded systems, as they are more and more present in surrounding objects and projects, whether it be automobile, aeronautics or space.

CEVAA - Testing and Expertise Center

Vibration / Acoustic / Reliability

The CEVAA is expert in Vibration, Acoustic and Reliability based on 20 years of automotive experience.

The laboratory has an experimentation center and a simulation/calculation division. This dual competence within the same lab grants CEVAA a huge legitimacy in the resetting of calculations/tests. The laboratory carries out this type of study to support their clients - partners in their development phases with the willingness to bring solutions and a valuable addition to the research of a technological break as leitmotiv.

Visiting CEVAA will be the occasion to discover their technological methods such as their semi-anechoic chambers, dynamic analysis lab, laser vibrometry and materials laboratory.

RENAULT CLÉON PLANT

Cléon works for the Renault-Nissan Alliance and has 35 customer sites worldwide. A total 46% of its output is for Renault, and 54% for other brands (Renault Samsung Motors, Dacia, Nissan, Infiniti, Suzuki and Opel).

The site’s activity is based on five engine families, including the F4 petrol and V9X and R9M diesel, sold under the market name Energy dCi 130, and two gearbox families (J and P). In 2011, the site manufactured 1.3 million of these products.

From 2013, the plant will start producing electric motors.
With complete powertrain systems for all vehicle classes, Bosch combines mobility with energy efficiency. This not only means making continuous improvements to internal combustion engines, but also developing powertrain systems for low- and high-voltage hybrids as well as electric vehicles. Connecting components and systems intelligently makes powertrains more efficient, and thus economical to drive. With this aim in mind, Bosch combines hardware, software, and services to create top-to-bottom powertrain solutions.

www.bosch-mobility-solutions.com
## PROGRAMME 16 MAY 2018

### OPENING PLENARY SESSION

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:30</td>
<td>Attendees Registration &amp; Coffee in the Exhibition</td>
</tr>
<tr>
<td>08:30</td>
<td>Welcome Introduction</td>
</tr>
<tr>
<td></td>
<td>Société des Ingénieurs de l’Automobile</td>
</tr>
<tr>
<td>08:35</td>
<td>Opening Address by the Conference Chair</td>
</tr>
<tr>
<td></td>
<td>Noureddine GUERRASSI, Delphi Technologies</td>
</tr>
<tr>
<td>08:45</td>
<td>The Energy Mix and its Impact on Multiple Automotive Topics</td>
</tr>
<tr>
<td></td>
<td>Jean-Luc BROUSSARD, P&amp;D Director, PFA - French Automotive Industry &amp; Mobilities</td>
</tr>
<tr>
<td>09:00</td>
<td>Impacts of Emission from Car Exhaust on Air Quality</td>
</tr>
<tr>
<td></td>
<td>Barbara D’ANNA, Research Director, CNRS - French National Centre for Scientific Research</td>
</tr>
<tr>
<td>09:15</td>
<td>Technology Neutrality</td>
</tr>
<tr>
<td></td>
<td>Colette GENIN, Directrice Conseil, Taddeo - Technologies &amp; Mobility</td>
</tr>
<tr>
<td>09:30</td>
<td>Alternative Fuels for Sustainable Mobility</td>
</tr>
<tr>
<td></td>
<td>Agnès DUMESGES, VP Product Marketing, Total</td>
</tr>
<tr>
<td>09:45</td>
<td>Future Evolutions of Diesel Engine Technology and its Powertrain Trends Influencing CO₂ Emissions in Europe</td>
</tr>
<tr>
<td></td>
<td>Vijay SUBRAMANIAN, Associate Director - EMEA, IHS MARKIT &amp; Gaetano DE PAOLA, Advanced Diesel Engine Projects Manager, IFPEN</td>
</tr>
</tbody>
</table>

### 10:30 COFFEE BREAK IN THE EXHIBITION // TEST-DRIVE

**NEW ENGINE TECHNOLOGY #1**
- Pierre DURET - IFP-School
- Ali MOHAMMADI - Toyota

**RDE TESTS & CALIBRATION #1**
- Juergen MANNS - IAV
- Hans NUGLISCH - Continental

**EXHAUST AFTERTREATMENT #1**
- Bertrand DEMORTIER - Continental
- Michael WEISSBÄCK - AVL

**WASTE HEAT RECOVERY**
- Geoffrey MARTIN - Mov’eo
- Gaëtan MONNIER - IFP Energies Nouvelles

**11:30 Panel Discussion with the Keynote Speakers**

**12:00 LUNCH BREAK IN THE EXHIBITION // TEST-DRIVE**

**NEW 1.5L Blue HDI Engine**
- F. Coudrain, J.-P. Chemisky, Groupe PSA

**EXHAUST AFTERTREATMENT #2**
- Olivier IMBERDIS - IAV
- Philippe PELLETIER - Renault

**SUSTAINABLE ENERGY POWERTRAIN #1**
- Nadim ANDRAOS - FEV
- Philippe CHINA - Total

**POWERTRAIN EFFICIENCY IMPROVEMENT**
- Philippe BERNET - Renault
- Kyoungdoug MIN - Seoul National University

**13:00 FUEL INJECTION SYSTEMS**
- Thomas KÖRFER - FEV
- Marc LEJEUNE - AB VOLVO

**EXHAUST AFTERTREATMENT #2**
- Olivier IMBERDIS - IAV
- Philippe PELLETIER - Renault

**SUSTAINABLE ENERGY POWERTRAIN #1**
- Nadim ANDRAOS - FEV
- Philippe CHINA - Total

**POWERTRAIN EFFICIENCY IMPROVEMENT**
- Philippe BERNET - Renault
- Kyoungdoug MIN - Seoul National University

**14:30 Next Generation of Fuel Injection Systems for Passenger Car and Commercial Vehicles**
- G. Meissonnier, C. Daveau, N. Guerrassi, P. Bercher, M. Graham, Delphi Technologies

**Electrical enhanced aftertreatment system to address passenger cars real life emissions**
- M. Capirchia, E. Jean, Faurecia

**Zero Emission Urban Trucks versus Diesel**
- T. Justin, AB Volvo

**Optimization of Powertrain Architectures under Aspects of Fleet Requirements**
- C. Danzer, R. Troeger, W. Wukisiewit-sch, T. Voigt, IAV
**PROGRAMME 16 MAY 2018**

15:00  
- RDE Step 2 and beyond - Bosch Diesel FE System contribution  
  T. Wintrich, M. Krüger, C. Uhr, C. Hinrichsen, D. Naber, S. Rothe, Robert Bosch
- 1D/3D simulation of urea dosing - Deposit Formation and NOx Reduction in Real Driving  
  J. Wurzenberger, A. Nahtigal, T. Mitterfellner, AVL
- eFuels and Electrification: Enablers for Reduction of Well-to-Wheel CO2, and local NOx emissions  
  G. Avolio, G. Rosel, J. Grim, O. Maiwald, R. Bruck, D. Kastner, Continental
- Evaluation of Zero Oil Cooling for Improved BTE in a Compression Ignition Engine  
  B. Denton, J. Miwa, C. Bitsis, SouthWest Research Institute

15:30  
- Analysis of spray characteristics on a counter-bore fuel injector nozzle for diesel engine application  
  F. Pesce, A. Vassallo, GM
  R. Payri, J. De la Morena, J. Monsalve-Serrano, V. Paganino, CMF-Motors
- Model-Based Exhaust After-treatment Technology Robustness Testing using Monte-Carlo Generated RDE Cycles  
  R. King, R. Cantallos-Jime-nez, J. Seabrook, A. Ward, R. Sellers, Ricardo
- Opportunities and Challenges of e-Fuels in Future Mobility with Combustion Engines and Diesel Fuel Systems  
  B. Becker, R. Marohn, P. Rolke, IAV
- Improving passive transmission lubrication efficiency with novel Smoothed Particle Hydrodynamic (SPH) modelling  
  L. Martinelli, M. Hole, Drive System Design

16:00  
- COFFEE BREAK IN THE EXHIBITION // TEST-DRIVE

17:00  
- PANEL SESSION
  Christophie AUFRERE, Chief Technology Officer, Faurecia & French Automotive Research Committee President
  Christian CHAPELLE, SVP - Powertrain & Chassis Engineering, Groupe PSA
- Philippe DIVRY, SVP Group Truck Strategy, AB Volvo
  Gaspar GASCON ABELLAN, EVP - Product Engineering, Groupe Renault & French Automotive Technologies Committee President
  Mary GUSTANSKI, Chief Technology Officer, Delphi Technologies

18:30  
- COCKTAIL IN THE EXHIBITION // TEST-DRIVE

19:30  
- GALA DINNER

**PROGRAMME 17 MAY 2018**

08:00  
- WELCOME COFFEE IN THE EXHIBITION

08:30  
- Exhaust Aftertreatment Technology Approaches to cover upcoming RDE requirements  
  F. Bunar, M. Diezemann, S. Nippert, R. Scholz, M. Brauer, IAV
  M. Maalouf, F. Mönkeberg, BASF
- Improved soot emissions by piston bowl-shape guided late cycle oxidation in low-swirl heavy-duty diesel engine combustion  
  J. Eismark, AB Volvo
  M. Andersson, Chalmers University of Technology
- Electric boosting architectures comparison for light vehicle diesel engines  
- Alternative powertrain options for non-road mobile machinery  
  V. Rajamani, G. Topfer, Deutz

09:00  
- Future Advanced Diesel Emission Concepts to meet worldwide ultra-low emission standards for global applications  
- Holistic Diesel Combustion System Design – optimizing fuel-air mixing, heat transfer and combustion at low emissions level  
  Anselmi, J. Galpin, G. De Paola, IFP Energies Nouvelles
  Andy WARD - Ricardo
- Switchable Valve Train Components for PC Diesel Engines as Contribution to RDE Legislation Compliance  
  F. Himse1, W. Christgen, V. Schmidt, M. Elicker, Schaeffler
  M. Brauer, R. Pohlke, IAV
- Clean and Closed CO2-Cycle-Mobility based on CI-Powertrain applying Sustainable fuels (DME)  
  M. Zubel, B. Heuser, RWTH Aachen
  W. Willems, Ford
  J. Weber, Denso Automotive

09:30  
- Diesel Exhaust Systems development in regards of RDE challenge  
  B. Bassou, P. Servais, J. Barion, I. Grisstede, C. Tomanki, U. Goebel, Umicore
- Introduction to Delphi’s DF17 Dynamic Rate Shaping - One Injector for all Combustion Strategies  
  A. Mercer, K. Sullivan, R. Gibson, S. Tullis, Delphi Technologies
- Potential of Variable Valve Train in Partial Load Operation of Diesel Engines  
  P. Maniatis, U. Wagner, T. Koch, Karlruhe Institute of Technology
- Investigation on the effect of engine control parameters to optimize a light duty engine in dual fuel NG/Diesel configuration  
  C. Beatrice, C. Guado, P. Nagolitanu, V. Fraioli, N. Del Giacomo, Istituto Motori CNR

**PROGRAMME 16 MAY 2018**

15:00  
- RDE Step 2 and beyond - Bosch Diesel FE System contribution  
  T. Wintrich, M. Krüger, C. Uhr, C. Hinrichsen, D. Naber, S. Rothe, Robert Bosch
- 1D/3D simulation of urea dosing - Deposit Formation and NOx Reduction in Real Driving  
  J. Wurzenberger, A. Nahtigal, T. Mitterfellner, AVL
- eFuels and Electrification: Enablers for Reduction of Well-to-Wheel CO2, and local NOx emissions  
  G. Avolio, G. Rosel, J. Grim, O. Maiwald, R. Bruck, D. Kastner, Continental
- Evaluation of Zero Oil Cooling for Improved BTE in a Compression Ignition Engine  
  B. Denton, J. Miwa, C. Bitsis, SouthWest Research Institute

15:30  
- Analysis of spray characteristics on a counter-bore fuel injector nozzle for diesel engine application  
  F. Pesce, A. Vassallo, GM
  R. Payri, J. De la Morena, J. Monsalve-Serrano, V. Paganino, CMF-Motors
- Model-Based Exhaust After-treatment Technology Robustness Testing using Monte-Carlo Generated RDE Cycles  
  R. King, R. Cantallos-Jime-nez, J. Seabrook, A. Ward, R. Sellers, Ricardo
- Opportunities and Challenges of e-Fuels in Future Mobility with Combustion Engines and Diesel Fuel Systems  
  B. Becker, R. Marohn, P. Rolke, IAV
- Improving passive transmission lubrication efficiency with novel Smoothed Particle Hydrodynamic (SPH) modelling  
  L. Martinelli, M. Hole, Drive System Design

16:00  
- COFFEE BREAK IN THE EXHIBITION // TEST-DRIVE

17:00  
- PANEL SESSION
  Christophie AUFRERE, Chief Technology Officer, Faurecia & French Automotive Research Committee President
  Christian CHAPELLE, SVP - Powertrain & Chassis Engineering, Groupe PSA
- Philippe DIVRY, SVP Group Truck Strategy, AB Volvo
  Gaspar GASCON ABELLAN, EVP - Product Engineering, Groupe Renault & French Automotive Technologies Committee President
  Mary GUSTANSKI, Chief Technology Officer, Delphi Technologies

18:30  
- COCKTAIL IN THE EXHIBITION // TEST-DRIVE

19:30  
- GALA DINNER
PROGRAMME 17 MAY 2018

10:00 > COFFEE BREAK IN THE EXHIBITION // TEST-DRIVE

10:30 > HYBRID POWERTRAIN SYSTEMS
- Thomas KOCH - KIT
- Luc MULLER - Schaeffler

10:30 > NEW ENGINE TECHNOLOGY #2
- Martin SACKMANN - Borgwarner
- Jan MACEK - Czech Technical University

10:30 > RDE TESTS & CALIBRATION #2
- Sebastien POTTEAU - EMC-MTT
- Daniel ROETTGER - Ford

10:30 > GASOLINE COMPRESSION IGNITION & DUAL FUEL
- Omar HADDEDE - Drive System Design
- Virginie MOREL - Aramco Overseas

11:00 > Electrified Diesel Powertrains - Clean Air meets High Efficiency

11:00 > High performance diesel engine beyond 100 kW/l for E-class PC with quiescent combustion concept
- H. Ofner, L. Bürgler, M. Wieser, M-S. Gande, AVL
- S. Bohatsch, H. Person, M. Stenfeld, Volvo

11:00 > A Framework for Advanced Powertrain Controls with focus on optimal Real Driving Performance
- E. Pérez Guzmán, c. Vigild, Ford

11:00 > Advanced Gasoline Fuel on a GCI Vehicle Demonstration as an Enabler for Lowering CO₂ Footprint of Mobility
- A. Bouet, C. Chaillou, H. Won, Aramco Overseas
- F. Dufour, J. Kermani, IFP Energies Nouvelles

11:30 > Strategic Benefits of 48V Mild-Hybridisation for Light-Duty Diesel
- R. Sellers, P. Revereaule, Ricardo

11:30 > Innovative technologies to realise a Diesel system with high efficiency and low emissions
- S. Viisser B. van Moergastel, O. Hermann, Y. Tarusawa, DENSO
- E. Neumann, IAV

11:30 > Engine transient corrections calibration for real driving conditions: a holistic statistical approach
- D. Taindjis, G. Dober, N. Guerrassi, Delphi Technologies
- W. Baumann, IAV
- R. Barr, Technische Universität Berlin

12:00 > Reasonable hybrid entry solutions with E-Clutch
- N. Funalot, M. Kneissler, M. Baumann, Schaeffler

12:00 > Lightweight Cylinder Block and Lubrication Circuit Thermal Management Solutions for Low CO₂ Emissions
- C. Rouaud, S. Porteous, A. Morris, S. Daniels, Ricardo
- F. Claydon, M. Gambling, GRM Consulting

12:00 > FEV’s virtual development framework - enabler of efficient vehicle calibration by validated simulation of real driving scenarios on engine-in-the-loop test benches
- P. Gautier, M. Kötter, T. Jung, C. Menne, B. Kinoo, T. Körfer, S. Trampert, FEV

12:00 > Experimental Study of Load Expansion on Dual fuel premixed compression ignition
- S. Chu, K. Kang, K. Min, Seoul National University

12:30 > Optimal Design and Sizing of Through-The-Road Hybrid Vehicle Powertrain
- B. Kabalan, Y. Cheng, E. Vinot, C. Dumand, R. Trigu, Groupe PSA

12:30 > Efficient tool chain and development approach of a passenger car diesel engine for improvement of the fuel economy and reduction of emissions beyond Euro 6 legislation under real driving conditions
- H. Ofner, L. Bürgler, M. Thelliez, M-S. Gande, AVL
- C. Pötsch, Delphi Technologies
- F. Dufour, J. Kermani, IFP Energies Nouvelles

13:00 > LUNCH BREAK IN THE EXHIBITION // TEST-DRIVE

14:30 > PLENARY SESSION
- Federico MILLO - Politecnico di Torino // Amin VELJI - KIT

14:30 > Life Cycle Assessment by Experts Material and LCA
- Stéphane MOREL, Renault & Sophie RICHT, Groupe PSA

15:00 > Powertrain Efficiency Status and Improvements for Medium Duty Applications
- Nicolas TOURTEAUX, Chief Engineer Medium Duty, AB Volvo

15:30 > Fuel Efficient Powertrains Evolution Outlook
- Axel PLASSE & Maxime BAYON DE NOYER, Renault

16:00 > Closing Remarks by the Conference Chair
- Nouredine GUERRASSI, Delphi Technologies

16:15 > STUDENTS POSTER AWARD CEREMONY

16:30 > END OF THE CONFERENCE
Paving the way for a cleaner, more energy-efficient world.

Whether in a highly efficient combustion engine, an intelligent hybrid system or the very latest electric drive: BorgWarner is driving propulsion system solutions of today and tomorrow. Our vision is a clean, energy-efficient world. That’s why we develop solutions that reduce energy consumption and emissions, while at the same time improving performance. As the propulsion system leader for combustion, hybrid and electric vehicles, we are supporting the automotive industry in realizing clean propulsion and efficiency technology solutions for light vehicles, medium and heavy duty vehicles as well as off-highway applications.

borgwarner.com
DEAR STUDENTS!

One of the missions of SIA is to make automotive industry attractive for young people and students. That’s why we invite you to attend the congress and meet the experts and the companies that will be glad to share their knowledge and display their new technologies.

STUDENT POSTER SESSION

The French Society of Automotive Engineers and the congress Organising Committee wish to offer the opportunity to all motivated students to display their work - final year projects, for example - on posters which will be displayed at the Congress exhibition area.

- free access will be permitted to all the applicant students on 17 May (from 08:30 to 16:30, including access to conference and exhibition)
- a jury of powertrain experts will proceed to an evaluation of the posters from 11:00 to 13:00
- an award ceremony will be organized for the winning student(s) at 16:30 in the main conference room
- a trophy and a prize will be offered

STUDENTS FORUM

Exhibiting companies will welcome you to their booths to discuss automotive industry’s career opportunities and your expectations. You will have the opportunity to meet powertrain experts and company leaders who will tell you what skills are involved to do their jobs. Your resume will be sent to our partner companies, before the Students Forum, where some of them are looking for interns and young engineers.

More information and registration on:

STUDENTS CONTACT & REGISTRATION: Marie-Claude Buraux // marie-claude.buraux@sia.fr // +33 1 41 44 93 72
De mini à maxi
Nous développons ce qui vous transporte

Worldwide leader in body components, storage & clean propulsion systems

Follow us
www.plasticomnium.com

127 plants
31 countries
24 R&D Centers
€25 Bn
in capital invested in the 4 coming years
Join the companies which have already booked a booth!

This unique event will bring together more than 500 participants: directors, managers, heads of department, engineers, researchers and technicians. An exceptional line-up of guests and speakers will be present for the occasion. The exhibition will allow you to showcase your company, present your latest products and make privileged contacts at this unique gathering of targeted decision-makers.

We are thrilled to welcome you at the Parc des Expositions de Rouen - a place commensurate to the exhibition & the test-drive that will take place during this 2 days congress. The exhibition will take place in the “Skydome” area.

Maximize your visibility by having a booth and gain unmatched recognition as an industry leader and generate an abundance of goodwill. Consider our booth packages and our advertising offers on our website.

REGISTER FOR EXPO & TEST-DRIVE CARS

The Organizing Committee is soliciting companies for demonstration vehicles that will showcase technologies related to the conference topics.

Test-Drive Cars will be displayed inside the Parc des Exposition’s facilities on a private track - prototypes are also welcome as no licence plates are mandatory (day & night security).

Your Expo Car could also be showcased inside the exhibition hall (motors, demo-cars without fuels, etc.).

PLEASE ASK FOR INFORMATION:
Molly Boissier # molly.boissier@sia.fr # +33 1 41 44 93 74
ADACCESS // AUTOMOTIVE ENGINEERING START-UP

DATA ACQUISITION
ON-BOARD INSTRUMENTATION | TEST CAMPAIGNS | DATA PROCESSING

&

DEMO CAR / LAB CAR
PROTOTYPING | INTEGRATION | ADAPTATION

NEW // eVA BY ADACCESS
Key partner of your productivity, eVA by ADACCESS is an innovative online service divided in 2 parts:

- DATA STORE : CATALOGUE OF DATASET
- PROJECT FACTORY : LIST OF NEW MUTUALIZED PROJECTS

FREE REGISTRATION : www.adaccess.online/eva

CONTACT US //
+33 (0) 1 39 22 39 53
contact@adaccess.online

www.adaccess.online
REGISTRATION FORM

International Conference and Exhibition // SIA POWERTRAIN // ROUEN 2018 - 16 - 17 May 2018 // Ref: 2018-01

Please complete and return this form to:
SIA – 79, rue Jean-Jacques Rousseau – F-92158 Suresnes Cedex / Fax: +33 (0)1 41 44 93 79 / molly.boissier@sia.fr

REGISTER DIRECTLY ON LINE: www.sia.fr

PLEASE USE BLOCK CAPITALS

M* ○ M’ ○ D’ ○ Dipl-Ing ○

Family Name: .............................................................. First Name: ..........................................................

Company: .................................................................. Internal address: ....................................................

Position: .............................................................................................................................................

Address: .............................................................................................................................................

Postcode: .............................................................. City: .............................................................. Country: ....................................................

Tel: .............................................................. Mob: .............................................................. Email: ..............................................................

VAT number: ........................................................................................................................................

REGISTRATION FEES

1056 € VAT Incl. (880 € VAT Excl.) - SIA Members
1188 € VAT Incl. (990 € VAT Excl.) - Non Members
594 € VAT Incl. (495 € VAT Excl.) - Co-authors, Researchers’, Labs’ and Small Firms’ (< 100 employees)
240 € VAT Incl. (200 € VAT Excl.) - PhD student

Small firms, researchers and laboratories must not come under the control of big firms (> 100 employees).
** 5+ registrations made in one transaction only.

I want to participate at:
> 15 May afternoon
  - Cléon plant visit
  - CERTAM visit
  - IRSEEM visit
  - CEVAA visit

> 18 May morning
  - Cléon plant visit
  - CERTAM visit
  - IRSEEM visit
  - CEVAA visit

Limited number of invitations – Further information in the previous pages.

I will attend the Cocktail on 16 May at 6:30 PM - free of charge
I will attend the Gala Dinner on 16 May at 7:30 PM - free of charge

PAYMENT

Please precise the invoice address if different

Address: .............................................................................................................................................

Postcode: .............................................................. City: .............................................................. Country: ....................................................

By check in Euros made payable to: “Société des Ingénieurs de l’Automobile”

By bank transfer in Euros made payable to: “Société des Ingénieurs de l’Automobile” (please enclose a copy)
IBAN: FR76 30003 03290 002040139 58 – BIC – Adresse SWIFT: SOGEFRPP

Please, precise your company name and reference: 2018-01

By credit card:

American Express ○ Diners ○ Visa ○ Eurocard Mastercard

I hereby authorise the organisers to charge my credit card to the amount of ..........................................................

On my Card n°: .............................................................. Expiration date: ......... / ...........

3 or 4 digit CVV or CVC number (on back or front of credit card):

Cardholder’s name: ..............................................................

Date and signature: ..............................................................

Company stamp:

REGISTRATION CONDITIONS

- Registration fees include participation in the conference, proceedings, refreshment breaks, lunches and gala 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 to enter 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 16 April 2018, 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.
ACCESS INFORMATION

CONFERENCE VENUE

PARC DES EXPOSITIONS DE ROUEN
46-48 Avenue des Canadiens
76120 Le Grand-Quevilly - FRANCE
Tel. +33 2 35 18 28 28
www.parcesporouen.com

TRANSPORTATION

Paris ➔ Rouen
70 minutes by car (from Porte Maillot)
90 minutes by car from CDG Airport
80 minutes by car from Orly Airport

Parking Free carpark in front of the conference venue

Paris ➔ Rouen
70 minutes by train (from Saint-Lazare Station)
Public transportation: stop at Zénith - Parc Expo LE GRAND-QUEVILLY

Get more informations on our website: www.sia.fr

ACCOMODATION

RECOMMENDED HOTELS

Thanks to Rouen Normandy Tourism enjoy lower rates in selected hotels
booking form on www.sia.fr

CONTACT: Molly Boissier // molly.boissier@sia.fr // +33 1 41 44 93 74
WE ARE
SHAPING MOBILITY
FOR TOMORROW

How will people travel in the future, and how will goods be transported? What resources will we use, and how many will we need? The passenger and freight traffic sector is developing rapidly, and we provide the impetus for innovation and movement. We develop components and systems for internal combustion engines that operate more cleanly and more efficiently than ever before. We are also pushing forward technologies that are bringing hybrid vehicles and alternative drives into a new dimension – for private, corporate, and public use. The challenges are great. We deliver the solutions.

www.schaeffler-mobility.com
Moving faster than the pace of change.