General Information

Official language :
English no simultaneous translation

How to get there

BY CAR

From Paris exit Porte Maillot,
RN 13 Direction LA DÉFENSE • SAINT-GERMAIN-EN-LAYE

BY PUBLIC TRANSPORTATION

RER (Reseau Express Régional) Line A,
direction SAINT-GERMAIN-EN-LAYE

Two possibilities (see map)

- Get off at RUEIL MALMAISON exit Victor Hugo- Autobus To go to avenue Bois-Préau Bus 244, get off at GENEVIÈVE COUTURIER
- Get off at GRANDE ARCHE DE LA DÉFENSE, BUS 258 (la Défense • Saint-Germain-en-Laye) Get off at BOIS PRÉAU

Ask Guardian for registration and directions

Access

1 & 4, avenue de Bois-Préau - 92852 Rueil-Malmaison - France

1, av de Bois-Préau
- Anémones
- Araucarias
- Charmille
- Château
- Claude Bonnier
- Fougères
- Géraniums
- Ginkgo
- Giroflées
- Iris
- Lauriers
- Magnolias
- Myosotis
- Primevères
- Roseraie
- Séquoia
- Tilleul

4, av de Bois-Préau
- Bruyères
- Dahlias
- Glycines
- Hortensias
- Œillets
- Thuyas

232, av Napoléon Bonaparte,
- Yuccas
- Duchesse de Ségovie
- Tamaris

1 rue Isabey
- Isabey

Hotel Accommodation

We have selected a list of the most convenient hotels situated near the IFP.
Delegates are encouraged to make their own hotel reservations early, directly with the hotels of their choice

Quality Hôtel
1, place Richelieu
92500 RUEIL MALMAISON
Tel : +33 (0)1 47 08 20 20

Hôtel Ibis
16, bd Hôpital Stell
92500 RUEIL MALMAISON
Tel : +33 (0)1 47 32 96 96

Novotel Atria
21, av Edouard Belin
92500 RUEIL MALMAISON
Tel : +33 (0)1 47 16 60 60

Etap Hôtel
147, bd National
92500 RUEIL MALMAISON
Tel : +33 (0)8 92 68 12 78

For further information on Paris:
www.parisinfo.com

REGISTRATION FORM ADVANCED TRANSMISSIONS FOR LOW CO2 VEHICLES

June 4, 2009 • IFP, Rueil Malmaison, France
Ref: 2009-03
Please complete and return this form to:
SIA – 79, rue Jean-Jacques Rousseau – F-92158 Suresnes Cedex
Tel: +33 (0)1 41 44 93 70 – Fax: +33 (0)1 41 44 93 79
REGISTER DIRECTLY ON LINE: www.sia.fr

Mrs ❑ *Ms* ❑ *Mr* ❑

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

Company: ..... *Department:* .....

Position: .....

Address: .....

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

Tel: ..... *Fax:* .....

Email: .....

VAT number: .....

Registration fees *(Tick as appropriate)*

❑ *454,48 € VAT* (380 € VAT Excl) SIA Members N°_ _ _ _ _ _
❑ *550,16 € VAT* (460 € VAT Excl) Non Members
❑ *275,08 € VAT* (230 € VAT Excl) Researchers, laboratories and small and medium-sized firms (under 100 employees)
❑ *FREE Speakers (1 per conference)*
Preferential rates for students and retired people
For further information, contact us

Payment

❑ *By check* **in Euros made payable to: "Société des Ingénieurs de l'Automobile" (please attach a copy)**

❑ *By bank transfer*
in Euros made payable to: "Société des Ingénieurs de l'Automobile" (please attach a copy)
IBAN: FR76 30003 03290 00020040139 58 – BIC – Adresse SWIFT: SOGEFRPP

Please precise your Name and Ref: 2009-03

❑ *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°: .....

Date de validité / Expiration date: ..... /..... (MM/YY)

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

Cardholder's name: .....

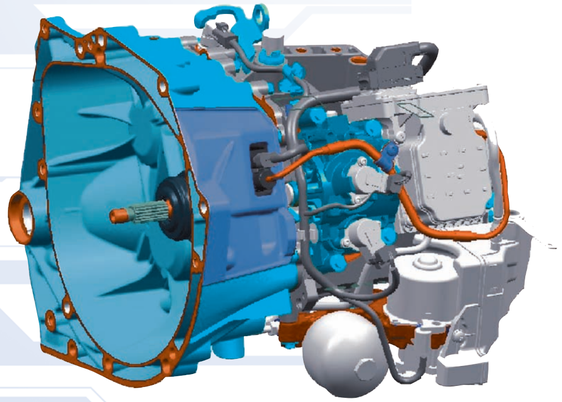
Date and signature: Company stamp:

REGISTRATION CONDITIONS
- Registration fees include participation in the conference, CD of proceedings, Book of abstracts, coffee breaks, lunch.
- 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 conference, we regret that you will not be allowed entry to the conference.
- When we have received the registration form, we will send you a confirmation letter and an invoice. Please indicate the accounts department address where necessary.
- In case of cancellation before May 5th, 2009, 30% of the registration fees will be retained by the organisers. 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.

ADVANCED TRANSMISSIONS FOR LOW CO2 VEHICLES

For Passenger Cars, Trucks and Off-Highway Applications

June 4, 2009
IFP, Rueil Malmaison, France
PROGRAMME



Moving forward **together**

CONTEXT AND OBJECTIVES

To meet future vehicle fuel consumption and CO_2 emission reduction targets, drivability and vehicle comfort, significant gains in transmission and driveline efficiency need to be made together with an optimization of the associated engine operating envelopes.
Following the significant success and positive feedback from the recent « Transmissions » conferences, held in May 2005 and 2007, the SIA "Powertrain" Technical Committee has decided to make this a regular event, to be held every other year. SIA is therefore pleased to announce the next "Transmissions" day to be held in 2009 with the main theme of:

ADVANCED TRANSMISSIONS FOR LOW CO_2 VEHICLES
for Passenger cars, Trucks and Off-Highway applications

Recent innovations in this field do indeed show an abundance of new technologies as well as the emergence of new transmission concepts and architectures, not to mention the rapidly growing developments in drivetrains for electric and hybrid applications.
The objective of this conference will therefore be to review the state of the art, recent developments and innovations, in transmission and driveline technologies and to examine the numerous application possibilities along with their associated benefits for future CO_2 legislations.

PROGRAMME COMMITTEE

Chairman:

Michel LIFERMANN - Valeo

Members:

Charles BAILLY - Le Moteur Moderne
Philippe BERNET - Renault
Eric ENJALBERT - Le Moteur Moderne
Alain BOUFFET - Total
Marc CHARLET - Mov'eo
Arnaud DE CROUTTE - PSA Peugeot-Citroën
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Noureddine GUERRASSI - Delphi
Sylvain MICHON - Volvo Powertrain France
Pierre-Yves GEELS - AVL France
Patrick GUILLEMOT - Pôle MTA
Omar HADDED - Tata Motors
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Rémy SCHMITT - Bosch

The Société des Ingénieurs de l'Automobile (the French Society of Automobile Engineers) is a society officially considered as serving the public interest. Its purpose is to represent technical excellence in the automobile industry through its expert and knowledge sharing networks. The SIA draws its members from the ranks of automobile engineers and technicians and all those active in promoting automotive engineering. SIA has 2 000 members and a network of over 8 000 engineers, technicians and research workers behind it.

SIA
79 rue Jean-Jacques Rousseau • 92158 Suresnes Cedex • France
Tel: +33 1 41 44 93 70 • Fax: +33 1 41 44 93 79
www.sia.fr

ADVANCED TRANSMISSIONS FOR LOW CO_2 VEHICLES PROGRAMME

June 4th, 2009

08:15 Participants registration
08:45 Welcome opening *M. LIFERMANN - Valeo*

SESSION 1: OPTIMIZED TRANSMISSION CALIBRATION

Session Chairs:
Michel LIFERMANN - Valeo
Omar HADDED - TATA Motors

09:00 Keynote
Innovative transmission systems with an optimized architecture as a result of an integrated powertrain development approach
E. SCHNEIDER - IAV, Germany

09:30 Significant reduction of calibration effort through front loading of shift quality optimization
J. LEWIS, G. VITALE - AVL, Austria
E. ENJALBERT - LMM, France

10:00 Models of automotive transmissions for fuel consumption studies
F-D. DRAGNE, M-V. BATAUS, A-N. MACIAC, I- M. OPREAN, N. VASILIU - University "POLITEHNICA" of Bucharest, Romania

10:30 Posters area Visit / Refreshment Break

SESSION 2: INNOVATIVE TRANSMISSION CONTROL TECHNOLOGIES

Session Chairs:
Eric ENJALBERT - Le Moteur Moderne
Eric SCHNEIDER - IAV

11:00 Accelerating the Development of an Advanced Transmission-Control System by Leveraging Early Verification and Validation in Model-Based Design
JB. LANFREY, G. SANDMANN - The MathWorks, Germany
J. BEILHARZ, T-M. WOLTER - IAV, Germany

11:30 Robust control of an hybrid electric-infinitely variable transmission
P. POGNANT-GROS - IFP, France
O. REYSS, A. VILLENEUVE - Renault, France

12:00 PLCD sensors - innovative position sensor technology for powertrain application s
B. FROTIN - Tyco Electronics, France

12:30 Posters area Visit / Lunch

SESSION 3: ENABLING TRANSMISSION TECHNOLOGIES FOR LOW CO_2

Session Chairs:
Didier LEXA - Valeo
J-J. MILESI - SIA

14:00 "Energy efficiency equipped solutions" for driveline application: a contribution to sustainability and reduction of CO_2 – emission
T. WOLF – SKF, Germany

14:30 Heavy Duty Vehicle Gearbox Lubricant and Axle Oil Investigations towards maximum Fuel Economy
A. BOUFFET, J. LESCURE, S. PIQUET - TOTAL

15:00 Kinetic hybrid components and system results for low cost CO_2 reduction
A. ATKINS, J. DALBY, P. REVERAULT, S. SHEPHERD – Ricardo, UK

15:30 Posters area Visit / Refreshment Break

SESSION 4: PROMISING DRIVETRAIN CONCEPTS

Session Chairs:
Alain ESTIBALS – Renault
Bernard NICLOT - PSA Peugeot Citroën

16:00 Dry double clutch: the latest innovations
P. HERVET - Valeo, France

16:30 Fuel consumption improvements by applying IVT technology to commercial vehicles
C. BROCKBANK - Torotrak, UK

17:00 Dual Clutch Transmission Concepts for Small Cars
A. MOSER, V. SAXENA, P. McCRARY - BorgWarner Transmission Systems, Germany

17:30 End of the day

The organisers reserve the right to make changes to the programme should they be deemed necessary

POSTERS, SPONSORING AND ADVERTISING

List of Posters

Proven eAMTTM and eDCTTM technologies for reduced cost and low CO_2
J. WHEALS - Ricardo, UK
The secrets of CO_2 reduction
R. HEATH - Zeroshift, UK
Influence of electric machines characteristics and the architecture of the drivetrain on a hybrid vehicle's domain of functioning.
O. PAPE - Nexter, France
Light hybridisation of diesel powertrains: the most cost-effective route towards 120 g/km CO_2 and below
A. SERRARENS - Drivetrain Innovations, The Netherlands
Real-time simulation of detailed powertrain models
M. BATAUS - University Politehnica of Bucharest, Romania
Methods to increase transmission efficiency and reduce weight
D. KELLY - Drive System Design, UK

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For further information on exhibition and sponsoring opportunities,
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