



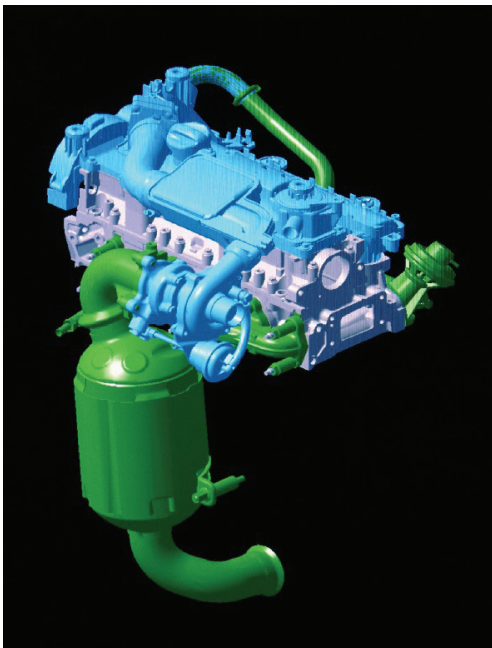
Conference

DIESEL ENGINE AFTER-TREATMENT

Evolution of Emission Control Systems

**Thursday, November 27, 2008
Espace Hamelin - Paris**

**CALL FOR PAPERS
AND 1ST ANNOUNCEMENT**



CONTEXT AND OBJECTIVES

With the control and reduction of CO2 emissions now a major issue for society as a whole, the diesel combustion engine - more efficient than its petrol counterpart - is set to play a key role in automotive engineering in the years to come. Growth in the European market and the increasing interest shown by new markets such as North America or Asia are clear signs of this.

Although advances in the area of turbo charging and high pressure injection have led to significant improvements in diesel engine performance, efforts to continue reducing emissions levels are vital. Today's regulatory requirements impose the use of dedicated after-treatment systems that are both complex and costly. The technological challenge is to develop systems that are more innovative, less costly, more efficient, sustainable and neutral as regards fuel consumption.

The importance of these issues is such that SIA is organizing a study day focusing on diesel after-treatment, within the framework of the international congress on the diesel engine to be held May 28 & 29, 2008. The day devoted to "Evolution of emission control systems" will provide an opportunity to meet the leading specialists in this field, from the automotive industry, the associated equipment manufacturers, from the oil & petrochemicals industry, and representatives of major research laboratories and universities.

With even better environmental performance, the diesel engine will be able to take full advantage of its position as a low CO2 emitter.

TOPICS TO BE ADDRESSED

To enable preparation of the programme for this conference, we would appreciate contributions from authors on the following topics:

Topic 1: Context / Positioning

- Overview of the international evolution of standards and regulations (Europe, America, Asia ...)
- Air quality and low concentration emissions measurement...

Topic 2: Particulates control

- New substrate materials
- New technologies (open filters, closed...)

Topic 3: NOx after-treatment

- New substrate materials
- New technologies (SCR, NOx traps, Plasma,...)

Topic 4: Oxidation and combined systems

- Innovative concepts (4-way catalysis, oxidation in low exhaust temperature...)

Topic 5: The after-treatment system and its control

- After-treatment system modelling
- Architecture and components of control systems

People concerned by this event

Main players in several domains, such as engine, after treatment systems, control, simulation, physics and chemistry of processes and materials...

PROGRAMME COMMITTEE

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Karim MOKADDEM - PSA Peugeot Citroën

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GENERAL INFORMATION

Your paper should include:

- The title of your paper in French and English.
- Information about the author(s) (name and title, position, company, address, telephone and fax numbers, e-mail addresses and brief biographical details). Please indicate clearly the lead author (speaker).
- The conference topic addressed by your paper.
- A summary of at least 30 lines in French and English (digital format Word or PDF).

Deadlines:

- Proposals for papers must reach SIA **by May 23, 2008**.
- Successful papers will be selected by the organising committee and authors will be notified accordingly **by July 7, 2008**.
- Contributing authors must submit their full papers **by October 17, 2008** for inclusion in the conference proceedings.

Additional information:

- Speakers will be allocated 30 minutes each (20 minutes of presentation time and 10 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 from a free conference attendance registration.
- Conference language: English (no simultaneous translation).

Proposals for papers should be sent in electronic format to:
Clémence Benoit - Tel : 33 (0)1 41 44 93 75
Email : clemence.benoit@sia.fr

The "Société des Ingénieurs de l'Automobile" (the French Society of Automobile Engineers) is a society officially recognised for 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.

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