

Registration form

7TH INTERNATIONAL CONFERENCE SURVIVAL OF COMBUSTION ENGINES AND FUELS: DO WE HAVE A VIABLE ALTERNATIVE?

Please complete this form and return it to ATA

Fax: + 39 011 9080400 – e-mail: angioletta.trivero@crf.it

Surname
 First name
 Company
 Department
 Address
 Post code City Country
 Phone
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 e-mail

Registration Fees (include: access to the Conference, all conference materials, all catering activities including coffee breaks, lunches and the conference dinner on Thursday evening)

- Speaker **700,00 € + 20% VAT (total 840,00 €)**
- ATA Member **900,00 € + 20% VAT (total 1.080,00 €)**
- ATA non Member **990,00 € + 20% VAT (total 1.188,00 €)**

I will attend the conference dinner YES NO

PAYMENT

- Bank Transfer to Associazione Tecnica dell'Automobile c/o Banca Popolare di Novara, Sportello 126, Orbassano (TO) - Account No. 1000 - ABI 5608 CAB 30689 IBAN: IT 15 F 05608 30689 000000001000 SWIFT CODE: NVRBIT21126 (Please write the participant's surname on the bank document).

- Payment by credit card at the reception desk

Notice of cancellation must be in writing, before **10 October 2008**. No refunds after this deadline.

THE INVOICE WILL BE ISSUED TO

Company
 Department
 Address
 Post code City Country
 VAT No. / Partita IVA
 Codice Fiscale (only for Italian Companies)
 Account Dept e-mail

In compliance with art. 7 of Italian law 196/03, the data contained in this sheet are used exclusively for sending information regarding this event

Date..... Signature.....

Sponsors



7th International Conference

Survival of Combustion Engines and Fuels: do we have a viable alternative?

23 – 24 October 2008
Hotel Baia di Nora
Pula (Cagliari) - Italy

Programme



The achievement of Energy Security and Road Transport Sustainability requires effective and global policies in order to promote and sustain solutions based on:

- competitive renewable or low carbon energy sources, including alternative transport fuels;
- efficient technologies and applications to curb energy demand;
- global approach to halt climate change and improve local air quality.

Therefore, the future road transport challenge can only be addressed by adopting a systematic integrated approach, where new fuels and powertrain technologies play a major role.

Advanced internal combustion engines, taking up various hybrid configurations and running on clean fuels, will in effect continue to provide the 'backbone' propulsion system to passenger cars, light commercial and heavy duty vehicles, well beyond 2020; the major driving force will be the progressive reduction of CO₂ emissions within stringent pollutant limitations.

In this scenario, the short-to-medium term priority for the OEMs is the development of clean and highly efficient powertrains, characterized by advanced combustion concepts and hybrid-electric technologies, and the exploitation of the clean fuels potential, e.g. biofuels and natural gas. In the longer term, innovative powertrains, such as those based on hydrogen fuel cells, could offer additional opportunities; the main challenges will be the development of cost-effective fuel cell vehicles, together with a widespread infrastructure for hydrogen production and distribution.

More traditional pure electric propulsion concepts may also take a more relevant role in transportation, if additional battery technology breakthroughs are achieved.

The ATA 2008 Engine Conference aim is to provide a forum, where participants can update and discuss the evolving scenario related to the alternative fuel and powertrain technologies required by the future road transport system, characterized by a significant reduction of CO₂ and pollutants emissions.

CONFERENCE CHAIRMAN

RINALDO RINOLFI – FIAT POWERTRAIN TECHNOLOGIES

CONFERENCE COMMITTEE

- P. BELARDINI – ISTITUTO MOTORI CNR
- C. BERTOLI – CONSIGLIO NAZIONALE DELLE RICERCHE
- A.E. CATANIA – POLITECNICO DI TORINO
- D. CHIARI – FIAT GROUP AUTOMOBILES
- G. CIPOLLA – GM POWERTRAIN EUROPE
- N. DI GIUSTO – CENTRO RICERCHE FIAT / ELASIS
- P.E. FERRERO – FIAT POWERTRAIN TECHNOLOGIES
- D. LAFORGIA – UNIVERSITA' DEL SALENTO
- P. PRIOLO – UNIVERISTA' DI CAGLIARI
- E. RUSSO – ROBERT BOSCH

Programme



23 October

- 8:30 Registration**
9:30 Welcome and general address
Nevio Di Giusto – ATA President and Centro Ricerche Fiat/Elasis CEO
Alberto Scanu – Industrial Association Cagliari Province President
Franco Nurzia – Cagliari University Deputy Rector
- 9:50 Key introductory note**
Corrado Clini – Ministry of the Environment
- 10:10 Session 1: MEGATRENDS OVER THE NEXT DECADES**
Chairman: **Franz Xaver Söldner** (European Commission)
- **The challenges of the future road transportations: global warming and competitiveness**
Giacomo Mattinò (European Commission)
 - **The increasing demand of near-zero emissions for urban transportation**
Gary Smyth (General Motors)
- 10:50 – 11:20 Coffee break**
- The global warming and CO₂ raising issue**
Paul Greening (ACEA)
- Future mobility from a fuels perspective**
Wolfgang Warnecke (Shell Global Solutions); Jörg Adolf, Karsten Wilbrand (Shell Germany)
- 12:00 General discussion coordinated by the Chairman**
- 12:30 Lunch**
- 14:00 Session 2: THE LONG-TERM HYDROGEN OPTION**
Chairman: **Franz Pischinger** (FEV Motorentechnik)
- **The progress of the fuel cell powertrain technology**
Herbert Kohler (Daimler)
 - **A fuel cell vehicle that opens the door to the future: the Honda FCX Clarity becomes a reality**
Thomas Brachmann (Honda R&D Europe)
Sachito Fujimoto (Honda R&D Co.)

- **The hydrogen internal combustion engine – concepts, potential and challenges**
Helmut Eichlseder (Graz University of Technology)
 - **The hydrogen production and distribution challenge in Europe**
Philippe Mulard (TOTAL)
- 15:20 General discussion coordinated by the Chairman**
- 15:50 Coffee break**
- 16:20 Session 3: THE GROWING BIOFUELS OPTION**
Chairman: **Giovanni Cipolla** (GM Powertrain Europe)
- **Flex fuel system potential and challenges in development and calibration for gasoline engines**
Markus Schwaderlapp, Oliver Rütten (FEV Motorentechnik)
 - **Sustainable biofuels for auto ignition combustion engines**
Wolfgang Steiger (Volkswagen); Ingo Scholz (Volkswagen Group of America)
 - **Sustainability of first generation and potential of second generation biofuels**
Heinz Hass (Ford Motor)
 - **Challenges and impacts of gasoline and diesel biofuels on injection and engine management systems**
Andreas Pfeifer, Joerg Neugaertner, Gianluca Caretta, Christoph Klesse, Wolfgang Stapf (Continental Automotive)
 - **Biodiesel effects on crankcase lubricant performance**
Stuart McTavish (Infineum)
- 18:00 General discussion coordinated by the Chairman**
- 18:30 General discussion coordinated by the Chairman**
- 20:30 Conference dinner**

24 October

- 09:00 Session 4: THE NATURAL GAS PROPULSION**
Chairman: **Manuel Lage** (ENGVA)
- **The development of the distribution network and vehicles market evolution in Europe**
Michele Ziosi (NGV System Italia)
 - **The natural gas propulsion technology evolution**
Andrea Gerini (FPT R&T)
 - **The biogas potential**
Lars Holmquist (Göteborg Energi)
- 10:00 General discussion coordinated by the Chairman**
- 10:30 Coffee break**
- 11:00 Session 5: THE HYBRID ELECTRIC PROPULSION**
Chairman: **Patrick Signargout** (AVL List)
- **System concepts and components for powertrain electrification**
Matthias Küssel, Dieter Kraft, Peter Zimmermann, Simon Czerny, Matthias Leiblein (Robert Bosch)
 - **Toyota hybrid system - Review of mass production experience**
Yoshiki Hashimoto (Toyota Motor Europe)
 - **Review of the strategic growth in the hybrid market for 2012 and beyond**
Nicholas Tebbutt, Roberto Bruno-Bossio (Ricardo)
 - **Status and trends of Li-Ion battery technology for automotive applications**
Uwe Koehler (Johnson Controls)
- 12.20 General discussion coordinated by the Chairman**
- 12.50 Closing remarks by the Conference Chairman Rinaldo Rinalfi (FPT R&T)**
- 13.10 Goodbye Buffet**

Venue

The Conference will take place at:
Hotel Baia di Nora
Strada Statale 195 - Località Su Guventeddu, Nora
09010 Pula (CA) SARDEGNA - Italy
Phone: +39 0709245551; Fax: +39 0709245600
E-mail: htlbn@hotelbaiadinora.com
Website: <http://www.hotelbaiadinora.com>
The Hotel is 38 km from Cagliari Airport.

Transfers/pick-up

If you need a personal transfer from/to the airport, please contact the Baia di Nora Hotel. The cost for this service is approximately € 65 (one way).

Accommodation at Baia di Nora Hotel

Accommodation is not included in the registration fee. In order to make a reservation and receive the discounted conference room rates, you must contact the Baia di Nora Hotel directly (by phone, fax or by e-mail) and reference "ATA08" before 22 September 2008.

Special rates

Double Single Use: € 120 (per room per night, breakfast included).
Double: € 190 (per room per night, breakfast included).

Social events

All participants are invited to attend the Conference dinner scheduled on Thursday 23 October at Baia di Nora Hotel. The cost is included in the registration fee but, for organisational reasons, please indicate on the registration form your plans to attend it or not. Guided visits to the main points of tourist and historical interest will be proposed to accompanying persons.

Language & presentations

The official language of the Conference is English. It will be possible to download all presentations from the ATA website, after the Conference. The access will be limited to the participants, by using a password that will be provided by email.

Registration & cancellation policies

To register, please send the enclosed registration form by fax. You can also register online (www.ata.it/Convegni/2008/MOT08onlineform). Full refunds will be given to cancellations received in writing prior to 10 October. No refunds will be given after this date. Replacement delegates are welcome at any time.

Up to date information:

www.ata.it/Convegni/2008/MOT08_start
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