

## Registration form

### Hybrid, Electric and fuel-cell propulsion systems

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#### STANDARD Fees

(proceedings, coffee, lunch and 20% VAT are INCLUDED)

- Speaker **120,00 €**  
 ATA Member **240,00 €**  
 Delegate (non ATA member) **300,00 €**

#### SPECIAL Fees

(proceedings, coffee, lunch, Phylla book and 20% VAT are INCLUDED)

- Speaker **140,00 €**  
 ATA Member **260,00 €**  
 Delegate (non ATA member) **320,00 €**

#### 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  
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(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 **3 June 2009**.  
No refunds after this deadline.

#### THE INVOICE WILL BE ISSUED TO

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In compliance with art. 7 of Italian law 196/2003, your personal data are used exclusively for processing ATA activities. For further information about our privacy policy: <http://www.ata.it/en/content/42/privacy/>.

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

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ASSOCIAZIONE TECNICA DELL'AUTOMOBILE

Sezione Piemonte

### 3<sup>rd</sup> International Conference

# Hybrid, electric and fuel-cell propulsion systems

## 17 June, 2009

Centro Congressi Torino Incontra  
Room Giolitti  
Via Nino Costa 8  
Torino - ITALY



CAMERA DI COMMERCIO  
INDUSTRIA ARTIGIANATO E AGRICOLTURA  
DI TORINO

## Foreword

The establishment of an eco-sustainable mobility system is fundamental to assure social benefits for environment protection and for the appropriate management of the energy resources.

In addition to the significant progress of conventional power-trains, which has been achieved and the use of alternative fuels, that contribute to fuel consumption and emissions reduction, the alternative technologies based on the electric traction are presenting new solutions to improve the transport system in terms of environment quality and energy saving.

Hybrid, electric and fuel-cell systems are interconnected in the use of components and subsystems, which are based on the same electric energy management concepts.

This Conference is addressing these topics and will offer a timing appropriate opportunity to consider the level of development, the technology status and trends, the application in different categories of vehicles.

The topics are divided into sessions, dedicated to:

- Hybrid vehicles and systems
- Electric and solar vehicles
- Hydrogen and fuel-cell applications
- Electric enabling technologies
- Energy, environment and economical aspects.

The achievement of the social and environmental targets of the future road transport system depends on the coordinated engagement of all operators involved: industry, research and academic institutions, public authorities and, to a large extent, on the diffusion of the culture and the willingness to reach these objectives.

The present world situation related to the energy availability and supply, the cost of fuels, the instability of relations among countries are additional issues, which bring the subject of alternative mobility solutions to our attention. Every region should consider to make value of its own resources, even in a context of a flexible integration with the external world.

# 17 June

# Programme

## Information

**8:15 – 9:00** Participants registration

**9:00 – 9:30** Opening speeches

**Alessandro Barberis** – Camera di commercio President

**Nevio Di Giusto** – ATA President, Centro Ricerche Fiat/Elasis CEO

**Matti Juhala** – FISITA Representative

**Francesco Profumo** – Politecnico di Torino Rector

**9:30 – 9:45** Key-note on 'Ecological sustainable mobility' by **Stefano Re Fiorentin**

(Fiat Group Automobiles)

**9:45 – 11:05** Session 'Evolution of technical propulsion'

**Chairman: Stefano Re Fiorentin**

(Fiat Group Automobiles)

**9:45 – 10:00** **Pietro Menga** (AVERE – CEI/CIVES)

The energy, environmental and economic effectiveness of electric and hybrid vehicles

**10:00 – 10:15** **Paolo Delzanno** (Centro Ricerche Fiat)

Fuel cell development scenario

**10:15 – 10:30** **Thomas Von Unwerth** (Volkswagen)

Volkswagen fuel cell vehicles: current status and future activities

**10:30 – 10:45** **Claudio Fonsati** (Microvett)

Electric technology applications

**10:45 – 11:05** Final remarks by the chairman & discussion

**11:10 – 11:25** Coffee break

**11:30 – 12:45** Session 'Technology development' PART 1

**Chairman: Paolo Coeli**

(Centro Ricerche Fiat)

**11:30 – 11:45** **Matti Juhala** (Helsinki University of Technology)

Heavy off-road vehicle hybridization research at Helsinki University of Technology

**11:45 – 12:00** **Claudio Lanciotti** (Arcotronics KEMET)

State of the art of lithium batteries

**12:00 – 12:15** **Fabrizio Nanni** (Arcotronics KEMET)

One experience on lithium battery equipment manufacturing

**12:15 – 12:30** **Giorgio Mantovani** (IVECO)

Field test on hybrid van fleet

**12:30 – 12:45** **Giovanni Pede** (ENEA)

Plug-in Hybrid, quick charging and public transport

**12:50 – 13:55** Lunch

**14:00 – 15:30** Session 'Technology development' PART 2

**Chairman: Giovanni Pede** (ENEA)

**14:00 – 14:15** **Franco Zanzi, Daniela Baratta** (ANSALDO)

Advanced electric power drive systems

**14:15 – 14:30** **Maurizio Cisternino** (GM Europe)

Electrification strategy at GM

**14:30 – 14:45** **Sabino Sinesi** (Centro Ricerche Plast-Optica)

Solar collectors for automotive application and energy-saving lighting systems

**14:45 – 15:00** **Patrice Montaland, Julien Hafsaoui**

(LMS International)

Advanced simulation methodology for the design of fuel cell stacks and hybrid systems

**15:00 – 15:15** **Carlo Bellino** (MES-DEA)

Advanced electrical systems

**15:15 – 15:30** Final remarks by the chairman & discussion

**15:30** Session 'Technology evolution from the academic world'

**Chairman: Giampiero Brusaglino** (ATA)

**15:30 – 15:40** **Nigel Schofield** (University of Manchester)

Electrification of road transportation: Challenges for the UK

**15:40 – 15:50** **Massimiliana Carello** (Politecnico di Torino)

IDRA and the Team H2politO: low consumption vehicle and an innovative educational project

**15:50 – 16:00** **Giuseppe Buja** (Università di Padova)

Light electric vehicles

**16:00 – 16:10** **Paolo Carlucci** (Università del Salento)

Use of solar energy for urban sustainable transportation

**16:16 – 16:20** **Leone Martellucci** (Università La Sapienza di Roma)

Project Urb-e: series hybrid vehicle with supercapacitors; experimental results and energetical evaluations

**16:20 – 16:30** **Matteo Cavalletti** (Università Politecnica delle Marche)

Fuel cell application in light electric vehicles

**16:30 – 16:40** **Giampiero Mastinu, Gianmarco Galmarini** (Politecnico di Milano)

Fuel-cell high efficiency prototype

**16:40 – 16:50** **Paolo Guglielmi** (Politecnico di Torino)

BES an electric scooter: experience and future developments

**16:50 – 17:00** **Alessandro Graizzaro** (Envipark)

Urban mobility: an hydrogen based ZEV solution

**17:00 – 17:45** Conference Closing Remarks coordinated by

**Giampiero Brusaglino & Giovanni Cipolla**

**17:45** Close of conference

### Contact:

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### Venue

Centro Congressi Torino Incontra (Room Giolitti)

Via Nino Costa 8, Torino (Italy)

### Language and presentations

Papers will be written and presented in 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.

### Exhibition

If your company is interested in distributing brochures or exhibiting small components, please contact us to book an exhibition desk.

### Registration & BOOK 'PHYLLA'

You can purchase the book 'PHYLLA' edited by ATA at a very discounted rate (only 20 €), by registering either on-line or via fax. We would like to remind you that the book is written in Italian.

### Registration & cancellation policy

It is possible to register either on-line or via fax.

Full refunds will be given to cancellations received in writing prior to 3 June 2009. No refunds will be given after this deadline.

Replacement delegates are welcome at any time.

### Payment

We accept payment:

- on-line
- by bank transfer
- by credit card at the reception desk.

### Accommodation

Accommodation is not included in the registration fee. For booking please click on [www.eventiturismo.it](http://www.eventiturismo.it).