

Registration form

MOBILE AIR CONDITIONING 26 - 27 NOVEMBER 2009

Please complete this form and return it to ATA

Fax: + 39 011 9080400 – e-mail: marisa.giunipero@crf.it

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

Registration Fees

(coffee, lunches, congress dinner and 20% VAT are included)

- Speaker **€ 240**
 ATA Member **€ 480**
 ATA non Member **€ 600**

I will attend the congress 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 **11 Nov. 09**. 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 196/2003, 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.....

Sponsor



Fiat Group Automobiles SpA



With the patronage of



ASSOCIAZIONE TECNICA DELL'AUTOMOBILE

Sezione Piemonte

3rd European Workshop

MOBILE AIR CONDITIONING, VEHICLE THERMAL SYSTEMS and AUXILIARIES

26-27 November 2009

Mirafiori Motor Village
Piazza Cattaneo 9
Torino (Italy)

PRELIMINARY PROGRAMME

Foreword

Focus on Environmental Impact Reduction and Innovations in the field of vehicle Thermal Systems: Efficiency Improvement, Heat Rejection Enhancement, New Systems Architectures, Energy Management, New Components, Materials and Fluids

The conference, whose official language is English, covers the following topics:

- Mobile air conditioning innovations and incoming issues (e.g. refrigerants)
- Enhanced auxiliary systems with improved energy efficiency
- Thermal systems integration
- Heat Rejection enhancement
- Innovative component and system architectures
- Systems assessment (e.g. Thermal Comfort)

The conference addresses all players in this field including vehicle manufacturers, suppliers of components and systems, public entities, decision makers, engineers and scientists.

The event will provide an excellent platform for information exchange on an international level and allows to assess the status and potential of mobile air-conditioning and other auxiliary systems technology.

26 November

- 8:30 Participants' Registration**
9:00 Welcome addresses
9:15 Opening Key-note speech
9:45 Session 1 'Alternative refrigerants' – Introduction by the Chairman
9:50 Flammability assessment of HFO-1234yf after a severe collision - Full scale vehicle testing
Bruno Rose (PSA Peugeot Citroën)
Roberto Monforte (Fiat Group Automobiles)
10:10 Implementation of HFO-1234yf
Nacer Achaichia (Honeywell)
10:30 On our way to a complete MAC LCCP Tool
Harmin Hafner (Sintef)
10:50 – 11:10 Coffee break
11:10 A small vehicle MAC system exploited with R-1234yf: bench results
Claudio Zilio (Università di Padova)
Roberto Monforte (Fiat Group Automobiles)
11:30 HFO-1234yf for MAC – Status and Path Forward
Barbara Minor (DuPont Fluoroproducts)
11:50 A/C service equipment for new future refrigerants
Alessandro Carluccio (SPX Italia)
12:10 Magnetic cooling pump
Christian Müller (Cooltech)
12:30 Alternative Low GWP MAC Refrigerant Blends
N. Cox (Earthcare Products)
V. Mazur (Academy of Refrigeration Odessa)
D. Colbourne (Re-phridge)
12:50 – 13:00 Discussion
13:00 – 14:15 Lunch & visit to the Exhibition
14:15 Session 2 'Air Conditioning' – Introduction by the Chairman
14:20 HFO1234yf – Challenges Ahead
Satyavrat Dahiya, Pravin Tilekar (TATA Motors)

- 14:40 Truck Cabin Innovative H.V.A.C. Solutions**
Felice Carlo Nuovo (RIETER Truck Technology Centre)
15:00 An update on the LCCP approach for MAC systems environmental assessment
Stella Papasavva
Roberto Monforte (Fiat Group Automobiles)
15:20 The four Pandas experiment: LCCP comparison
Carloandrea Malvicino (Centro Ricerche Fiat), Roberto Monforte (Fiat Group Automobiles)
15:40 – 16:00 Coffee break
16:00 HVAC Modules: Comfort versus Economy
Frank Mühlön, Rolf Falliano, Jörg Peiler (Robert Bosch)
16:20 Mobile Air Conditioning Systems Using Secondary Loop
Nicholas Lemke, Julia Mildenerger (Technical University Braunschweig)
16:40 Multi-Air-Zone Cabin Model for HVAC Development
J. Hager, G Breuer, G. Steinwender (Magna Powertrain)
G. Lang (Virtual Vehicle Competence Center -ViF)
17:00 – 17:15 Discussion

**Congress dinner at Principi di Piemonte Hotel
Via Piero Gobetti, 15 in the heart of Turin Centre**

- 9:00 Session 3 'Thermal systems' – Introduction by the Chairman**
9:10 Faurecia approach to exhaust waste heat recovery: present and future potential
Anna Rossi (Faurecia)

- 9:30 Multi-Physics System Simulation for Vehicle Energy Management Optimization**
Hideo Kobayashi, Kenichi Yamada (Toyota Motor Corporation)
Renaud Meillier, Thierry Rozier, Aldrik Brizard, David Almer (LMS International)
Marco Brunelli, Stefano Mazzarello (LMS Italiana)
9:50 Secondary Cooling Circuit With Water Condenser And Water Charge Air Cooler On A Fiat Grande Punto
Francesco Vestrelli, Luigi Marocco (Fiat Group Automobiles)
Matteo Biglia, Gabriele Maione (Denso TS)
10:10 An update with R-744 technology on a small FGA vehicle
Michelangelo Ferrara, Roberto Monforte (Fiat Group Automobiles)
10:30 – 10:45 Discussion
10:45 – 11:10 Coffee break

TOPMACS PROJECT SESSION

- 11:20 A passengers Car with an air conditioning system working on the engine waste heat**
(Daniela Magnetto, Stefano Mola, Walter Ferraris, Robert DeBoer, A. Taklanti)
11:40 A passenger Truck with a thermally operated air conditioning system
(Giovanni Restuccia, S. Vasta, Domenico Bellerio, M. D'Amato)
12:00 Adsorption cycle MAC powered by vehicle cooling loop
Robert Critoph, Steven Metcalf, Zacharie Tamainot-Telto (University of Warwick)

- 12:20 Conference closure**
12:30 Lunch

Chairman of the Workshop:
Carlo Andrea Malvicino – Centro Ricerche Fiat

27 November

Information

Contact:

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Venue

This event is organised at MIRAFIORI MOTOR VILLAGE.
Piazza Cattaneo 9
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 & cancellation policy

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

Refunds will be given to cancellations received in writing prior to 11 November 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.

Social events

A congress dinner is scheduled for Thursday evening, on 26 November.

Each registered participant is entitled to attend the dinner, but please tick on the registration form, your plans to attend it or not.. Accompanying persons may also attend the dinner, upon purchasing additional ticket(s).

Accommodation

Accommodation is not included in the registration fee. For booking a room please click on
<http://www.eventieturismo.it/eng/eventi/modulo1.php?id=1195>