



**1st International Conference
FUTURE OPPORTUNITIES
FOR SMALL ENGINE
TECHNOLOGIES**

**25 October 2012
Museo Piaggio - Pontedera (PI), Italy**

**26 October 2012
Università di Pisa, Facoltà di Ingegneria
Pisa - Italy**

Foreword

We are pleased to announce the 1st edition of the International Conference on "**Future Opportunities for Small Engine Technologies**", that will be held in Pontedera and in Pisa on 25 and 26 October 2012. The Conference will assess the status and focus on the future of small engines as well as of their applications, covering the following main areas:

Engines and Components
Engine Applications (Vehicles, Machines, Devices)
Fuels and Lubricants

The conference is intended to be a forum of international level for information exchange, discussion, networking among players in these technologies. It is addressed to manufacturers, suppliers of components and systems, academia, public entities, decision makers, engineers and scientists.

Promoting Committee of the Conference

ATA-Associazione Tecnica dell'Automobile Sezione Toscana
Betamotor
Continental Automotive Italy
Edi Progetti & Sviluppo
Magna Closures
Piaggio & C.
Pierburg Pump Technology Italy
Polo d'Innovazione Meccanica e Mezzi di Trasporto
PontLab
Pont-Tech
Provincia di Pisa
Regione Toscana - Toscana Promozione
Università "Guglielmo Marconi"
Università di Firenze
Università di Pisa
Yanmar R&D Europe

Sponsored by



PROGRAMME

25 OCTOBER

08.30 Registration

09.15 Welcome and opening addresses

- Presentation of Tuscany Pole of Innovations of Mechanics and Vehicles, Giuseppe Pozzana (Pont-Tech)
- Presentation of Pole Vehicle du Futur, Philippe Chican (PVF)
- Signature of the framework agreement between ATA Tuscany, Tuscany Pole of Innovations of Mechanics and Vehicles, and Pole Vehicle du Futur

10.00 Keynote by Giovanni Cipolla (Politecnico di Torino)

10.30-11.00 Coffee break

11.00 **Session I Internal Combustion Engine Technologies**

Chairman: Roberto Gentili (Università di Pisa)

PS01: Development and trends for off-road engines

Paolo Trassi (Betamotor)

PS02: Small diesel engines for non-road applications: Lombardini's viewpoint

Luigi Arnone (Lombardini)

PS03: Producer gas engine technology applied in micro-chp applications

Shuji Shiozaki, Alessandro Bellissima (Yanmar R&D Europe)

PS04: Research activity on small engine at the University of Florence

Giovanni Ferrara (Università di Firenze)

Final remarks

13.00-14.30 Lunch

14.30 **Session II Components**

Chairman: Gabriele Arcidiacono (Università "Guglielmo Marconi")

PS05: Methodological aspects of numerical and experimental analysis about noise

Raffaele Squarcini (Pierburg Pump Technology)

PS06: Advanced Air Intake Systems for Superbike-oriented Applications

Paolo Colombo (Dell'Orto)

PS07: Clean power: Market Trends of Gasoline downsizing and its effect on Fuel delivery components

Holger Oest (Continental Automotive)

16.00-16.30 Coffee break

PS08: Trends in Four Stroke Motorcycle Engine Oil Technology

Gianluigi Zoli (Castrol, Team Leader, Motorcycle Engine Oil Development)

PS09: Electric drives for the FSAE car

Massimo Ceraolo (Università di Pisa)

Final remarks

End of works

Transfer by bus to Pisa

19.30 Visit to the Royal Palace of Pisa

20.00 Congress dinner at the Royal Palace

Speeches during the congress dinner:

Introduction: Riccardo Lanzara, Pont-Tech

Yoichi Ishibashi, Chief Eng. Honda Racing (Ret.)

Pierluigi Dell'Orto, Dell'Orto former CEO

Jim Carroll, Chair SETC, SAE International

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09.00 **Session III Electrification**

Chairman: Renzo Capitani (Università di Firenze)

PS10: Sustainable urban mobility as seen by Piaggio
Luca Carmignani (Piaggio & C.)

PS11: Development of a twin engine powered by a mixture of ammonia and hydrogen for use as a range extender series hybrid vehicles
Giacomo Ricci (EDI)

PS12: Schaeffler capability for small combustion engines
Gian Stefano Morelli (Schaeffler)

PS13: Research activity on small engine at the University of Pisa
Roberto Gentili (Università di Pisa)

11.00-11.30 Coffee break

11.30 **Round table: Scenarios and technology challenge for small engines**

Chairmen: Enrico De Vita (Editorialista www.moto.it) and Paolo Citti (Università "Guglielmo Marconi")

Participants:

Maurizio Marcacci (Piaggio & C.)

Davide Dell'Orto (Dell'Orto)

Jim Carroll (SAE)

Roberto Bosisio (Consultant)

Felice Esposito Corcione (CNR Istituto Motori)

12.30 Lunch

General Information

Conference Venue

Thursday, 25 October :

Museo Piaggio 'Giovanni Alberto Agnelli' - viale Rinaldo Piaggio 7, Pontedera (PI):

Opening ceremony and Session I and II.

After the closure of the Session II a bus transfer will be organized to PISA where the **congress dinner** will take place. In the frame of the dinner a *testimonial meeting* with technical protagonists of the racing scene will be hold.

Friday, 26 October :

Università di Pisa, Facoltà di Ingegneria - via Diotisalvi 2, Pisa:

Session III and Round Table.

Language & Presentations

Presentations will be written and presented in English.

It will be possible to download them from the ATA website. The access will be limited to the participants, by using a password that will be provided by ATA via email a few days after the Conference.

Some innovative Presentations may be eligible for subsequent publication in ATA Review.

Registration & cancellation policy

You can register either on-line or via fax/email.

Refunds will be given to cancellations received in writing prior to **14 October 2012**.

No refunds will be given after this deadline. Replacement delegates are welcome at any time.

Payment

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

Congress dinner

The congress dinner will take place on 25 October at the Royal Palace of Pisa. Each registered participant is entitled to attend. Accompanying person(s) may also attend to congress dinner, upon purchasing additional ticket(s). Please refer to registration form for info and reservation.

Accommodation

For organizational reasons, we would suggest to Delegates to book their accommodation in Pisa.

Contacts:

For technical – scientific enquiries:

Marco Pierini

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Università di Firenze

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e-mail: marco.pierini@unifi.it - website: www.ptw.unifi.it

For organisational enquiries:

Angioletta Trivero

ATA – strada Torino 32/A - 10043 Orbassano (TO) - Italy

Phone: +39 011 9080410 - fax: +39 011 9080400

e-mail: angioletta.trivero@ata.it - website: www.ata.it



Registration form

1st INTERNATIONAL CONFERENCE FUTURE OPPORTUNITIES FOR SMALL ENGINE TECHNOLOGIES 25-26 OCTOBER 2012 – PONTEDERA-PISA (ITALY)

WEB www.ata.it on-line registration form is available	MAIL Please return this form to: Angioletta Trivero (ATA) angioletta.trivero@ata.it	FAX +39 011 9080400 You can also send a complete form by fax. Please use the capital letters in the form.
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Attendee Information

Surname _____
 Name _____
 Job Title _____
 Company _____
 Dept _____
 Address _____
 Post Code _____ / City _____ / Country _____
 Phone _____
 Mobile _____
 E-Mail: _____

Conference registration (fees include: on-line presentations, lunches, coffee, congress dinner and 21% VAT). Please check the appropriate category:

Delegate <input type="checkbox"/> 423,50 EUR	Speaker <input type="checkbox"/> 181,50 EUR
ATA Member <input type="checkbox"/> 302,50 EUR	University <input type="checkbox"/> 181,50 EUR
New ATA Silver Member <input type="checkbox"/> 447,80 EUR	Student (ATA Junior Member) <input type="checkbox"/> FREE (congress dinner is not included)
Media <input type="checkbox"/> FREE (congress dinner is not included)	Additional ticket for congress dinner (for accompanying persons) <input type="checkbox"/> 70,00 EUR

- Bank transfer to A.T.A. - S.r.L. - Banca Popolare di Novara, Filiale Beinasco TO (Italy)
IBAN: IT42L050343009000000020407 – BIC: BAPP IT 21 A 93
- Credit card at the Conference registration desk (do not send in advance your credit card number to be authorized for payment because we do not have this facility).
- On-line payment on <http://www.ata.it>

Full refund given to cancellations received in writing prior to **14/10/2012**. No refunds after this deadline.

I will attend the congress dinner on 25 October **YES** **NO**
I need a bus transfer from/to the congress dinner on 25 October **YES** **NO**

Invoice to Company: _____
 Dept _____
 Address _____
 Post code _____ City _____ Country _____
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Date.....Signature.....