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CONSIGLIO REGIONALE DEL LAZIO

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## Sponsors



# F O R M U L A ELECTRIC & HYBRID ITALY

7-9 October 2009

ENEA "Casaccia" Centre  
Via Anguillarese 301  
Santa Maria di Galeria  
(Roma) - ITALY



The progress in the field of sustainable technology for ecological vehicles with low or zero environmental impact, which should constitute a mandatory commitment for all actors involved, can get substantial benefits by the coordinated actions from academy and industrial world.

The technologies, which are object of the present research activities, are mainly related to hybrid, battery electric and fuel cell systems.

It is important that the achievements and the results of the research actions are brought to the public attention and demonstrated, in order to create and diffuse the culture of vehicles addressing environment conservation, energy saving, effective performance and to stimulate the market acceptance and further technology development.

The merge of academy institution and industry is an opportunity to promote the transfer of research, to put in evidence further needs of developments and to stimulate an interaction of initiatives among student teams and between university and industry.

Formula Electric and Hybrid Italy (EHI) is addressing these objectives and involves university students operating in team, sponsor industries and research institutions.

Students and young engineers are encouraged and stimulated, in this competitive event, to produce their best performance in technology innovation for the future sustainable mobility.

The annual sequence of the events allows a progressive updating of the state of the art for the various types of vehicles and ecological systems and contributes to identify the opportunity of future developments.

These types of event constitute milestones for technology benchmarking and identification of evolution trends.

## 7 October

- 7.30 – 9.00 Teams arrival, participants registration, vehicle and poster positioning, battery charging
- 9.00 – 9.30 **Welcome ceremony**
- 9.30 – 10.00 Team leaders briefing
- 10.00 – 13.30 Class 1-2: Static presentations, technical inspection, vehicle weights, tests
- 12.00 – 13.30 Dry run
- 12.30 – 14.30 Set up of vehicle: fuelling and battery charging
- 13.30 – 14.30 Lunch break
- 15.00 – 18.30 Endurance/Energy
- 16.00 – 19.00 Class 3: General presentation-Engineering Design
- 16.30 – 19.30 Energy consumption measurement
- 19.30 **END OF WORKS**

# Programme

- 7.30 Teams arrival
- 8.00 Competition scoring
- 9.00 – 9.30 Drivers briefing
- 9.30 – 11.30 Autocross
- 11.30 – 13.30 Acceleration
- 13.30 – 14.30 Lunch break and battery recharge
- 14.30 – 19.00 Performance evaluation
- 19.00 **END OF WORKS**

## 8 October

- 7.30 Teams arrival
- 8.00 Competition scoring
- 8.00 – 8.20 Drivers briefing
- 8.30 – 13.00 Pursuit
- 13.00 – 14.00 Lunch break
- 15.00 Transfer of the vehicles to the Paddock Area
- 16.00 **Award ceremony**

## 9 October

### Judges

<b>Giorgio Stirano</b>	ALBATECH MONACO
<b>Gianpiero Mastinu</b>	President ATA Lombardia Section
<b>Gino Bella</b>	President ATA Lazio Section
<b>Michele Anatone</b>	Università dell'Aquila
<b>Roberto Gentili</b>	President ATA Toscana Section
<b>Rodolfo Gaffino</b>	Director Museo dell'Automobile di Torino
<b>Massimo Ceraolo</b>	Università di Pisa
<b>Paolo Carlucci</b>	Università del Salento
<b>Marco Biancolini</b>	Università di Roma Tor Vergata
<b>Giuseppe Buja</b>	Università di Padova
<b>Peter Van Der Bossche</b>	Vrije Universiteit Brussel
<b>Claudio Fonsati</b>	MICRO-VETT
<b>Renato Librino</b>	4SGroup
<b>Giancarlo Chiatti</b>	Università Roma 3
<b>Giuseppe Rovera</b>	Centro Ricerche Fiat
<b>Vincenzo Delle Site</b>	CNR

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<b>Raffaele Vellone</b>	European Union
<b>Luigi Bignardi</b>	Professor Dept. Engineering Machine Università dell'Aquila
<b>Mario Conte</b>	ENEA/CEI CIVES

### For information

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