



## Dottorato di Ricerca in "Ingegneria Industriale"

### DII Seminar Series



## Electric vehicle: problems of setting, style and packaging innovations

**Paolo Massai**

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Torino, Milano*

November 14 | 9: 30 -12:30 | Aula Magna – Leopoldo  
Massimilla

### Seminar Description

The design of an electric vehicle must start from the battery, as it is the most critical component from the point of view of the volume, the most critical feature in a car. All the Requirements by world legislation, emissions, safety, dimension are not a problem for the electric car, except for the autonomy, given the difficult energy-storage compared to petrol or diesel. While finally the smaller volume of the powertrain and transmission, will allow considerable opportunities to innovate the style and especially the packaging (ratio between external and interior dimensions), which currently represent the greatest desired by the new drivers. Some new Concept or Model by the most involved Car Maker will be explained.

#### Paolo Massai education:

University (first and second level): graduated in Mechanical Engineering Automotive (1965 – 1970), Politecnico di Torino

- Fiat Executives school (1979)
- Management of research and development (1982) Bocconi, Milan
- Safe-driving instructor (1994)
- Sport-driving instructor (1995)

#### Technical expertise:

Worked at Italian car manufacturers, in Technical Department and Team Racing Tech Dept, first as head of Engine, then Transmission, Chassis and Suspensions, Steering; finally, responsible for Alfa Romeo Tech Dept, with complete delegation for Vehicle Dynamics, Aerodynamics, NVH, Style, Passive Safety and Racing.

From 2007:

Visiting lecturer at Politecnico Torino, Politecnico Milano, UNINAUTO.

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