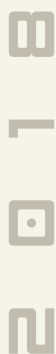




Milano 9-11, July 2018  
Politecnico di Milano,  
Bovisio Campus



# International Conference of Electrical and Electronic Technologies for Automotive

This third edition of the Conference **AUTOMOTIVE 2018** will be held from the 9<sup>th</sup> to the 11<sup>th</sup> of July 2018.

It aims to be the forum of the automotive community to present and discuss the most recent results of scientific and technological research in this industry, with particular emphasis to applications and new trends. The Conference will cover all aspects of the segment focusing on electrical vehicles, connected autonomous cars and related mobility.

**AUTOMOTIVE 2018** will bring together in an annual international event over three days the automotive community and the Information and Communication Technology one.

The Steering and the Technical Program Committees will include experts from Academic and Association world, key industrial stakeholders and representatives of public Authorities.

The **AUTOMOTIVE 2018** program will be structured in scientific sessions including accepted papers, key-note speeches, round tables and panel discussion, covering current automotive scenario with national and international perspectives, development trends and regulatory framework.

Legal, ethical and social aspects related to the new driving and mobility will be also addressed.

**AUTOMOTIVE 2018** is aimed at an academic and industrial audience, professionals active in automotive, including designers, manufacturers and users of technology, as well as public administration officers, analysts and investors interested in this sector in great development and of high social impact.

Special conditions will apply to encourage the participation of students of specific university courses.

Organized by



International Microelectronics  
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# call for papers

Scientific Sessions Key tracks are:

- 1. Architectures, Key Enabling Technologies, components and systems for next generation vehicles**
  - Industry perspectives (medium and long terms)
  - Powertrains (hybrid and electric)
  - Electric and electronic components
  - Assembly technology
  - Intelligent factory
- 2. Energy & power storage and management and related infrastructures**
  - Electric infrastructures, related ICT infrastructures
  - Batteries, fuel cells, V2G
- 3. Communication, secure, connected, cooperative and automated vehicles**
  - Connected cars, V2I, V2V, IoT
  - Assisted and autonomous driving
  - 5G for automotive, telecom-automotive alliances
  - Remote monitoring and diagnostics
  - Reliability
  - Safety and security
- 4. New regulatory frameworks to enable effective deployment of emerging technologies and business/operating models**
  - Regulatory and social drivers (global, European, national, local)
  - Standards evolution
  - Legal and social aspects (privacy, responsibility)
  - Driver training
  - Ethical policies for autonomous systems
  - Public acceptance
- 5. Infrastructure and services for smart personal mobility and logistics**
  - People new mobility
  - Smart cities
  - Freight electric mobility

Authors are invited to submit preliminary papers consisting in 4-6 pages in standard IEEE two-column format via EDAS (<http://edas.info/N24407>). The preliminary paper should be final version with a complete description of the proposed technical contribution and results, suitably framed in the related state of the art demonstrated with citation to relevant papers in the sector. Each paper will be reviewed in terms of relevance with respect to the scope of the event, originality and quality of the technical content, overall organization and writing style and have to pass anti plagiarism automatic detection. Papers must be prepared according to the Author's instructions reported on the Automotive 2018 Website: <http://convegni.aeit.it/automotive>  
Submission of papers implies intention to register and present the related content at the conference.

**Accepted and presented Papers will be considered for Publication in IEEE Xplore®**

## DEADLINES

- Preliminary paper submission: **March 25<sup>th</sup>, 2018**
- Notification of acceptance: **April 16<sup>th</sup>, 2018**
- Final Paper (Camera Ready): **May 14<sup>th</sup>, 2018**

## EXECUTIVE COMMITTEE

*Chairman:* Federico Cheli, *Politecnico di Milano*

*Co-Chairman:* Enrico Macii, *Politecnico di Torino*

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*Publication Chair:* Giambattista Gruosso, *Politecnico di Milano, IEEE IES*

## CREDITS

Grant of formative credits will be requested from Italian Professional Orders



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## LOCATION

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