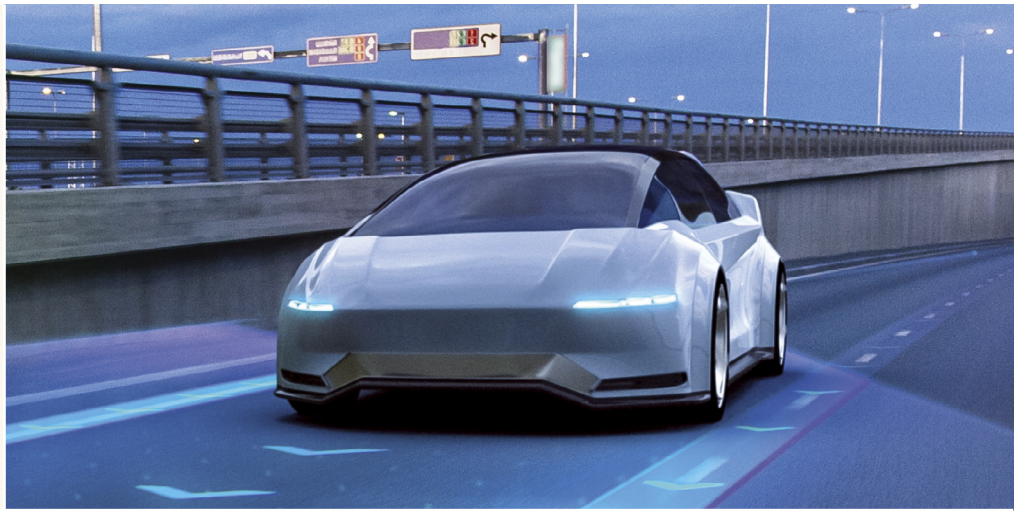


AUTO MOTIVE

Modena, Italy
July 17-19, 2023

University of Modena
and Reggio Emilia



International Conference on Electrical and Electronic Technologies for Automotive

Organized by



Call for Papers

AEIT AUTOMOTIVE 2023 Conference will be held on July 17-19, 2023 in Modena to host regular papers in several areas of the most regular automotive field. The 7th AEIT International Conference on Electrical and Electronic Technologies for Automotive (**AEIT AUTOMOTIVE 2023**) aims to be a solid reference of the technical community to present and discuss the most recent results of scientific and technological research for the automotive industry, with particular emphasis to applications and new trends. The Conference covers all aspects of the segment focusing on 6 tracks:

- **Track 1: Energy storage, fuel cells, and batteries**
- **Track 2: Advanced driver assistance systems and autonomous driving, safety and connectivity**
- **Track 3: Smart mobility and energy grid**
- **Track 4: Power Electronics, active and passive components, sensors and transducers**

in cooperation with

HPEGROUP



- **Track 5: AI for automotive: Hardware and software architectures**
- **Track 6: Electric Motors and Drives for green transportation**

AEIT AUTOMOTIVE 2023 will bring together the Electrical and Electronic Automotive specialists with the Information and Communication Technology ones. The Executive and the Technical Program Committee include experts from the Academic world, Associations, Key Industrial Stakeholders and Regulatory Authorities.

AEIT AUTOMOTIVE 2023 will be structured in Scientific Sessions, including both lectures and poster sessions, Key-note Speeches, Round tables and Panel discussions, covering current electric automotive scenario with its national and international perspectives, development trends and the regulatory framework.

A Technical Exhibition with Industry attendance will be held.

AEIT AUTOMOTIVE 2023 is aimed at an academic and industrial audience, professionals active in automotive, including designers, manufacturers and users of technology, as well as analysts and investors interested in this sector in great development and of high social impact.

Authors are invited to submit preliminary papers containing a complete description of the proposed technical contribution along with results, suitably framed in the related state of the art. Conference content will be submitted

for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases.

Authors are invited to submit their manuscript proposal through the conference website EDAS <https://2023aeitautomotive.edas.info>, indicating the track name into the manuscript, and uploading the file in the specific track folder. IEEE Technical Sponsorship is pending.

DEADLINES

- Preliminary paper submission:
May 21, 2023
- Notification of acceptance:
June 10, 2023
- Final Paper (Camera Ready):
June 30, 2023

BEST STUDENT PAPER AWARD

The best Contribution from Ph.D. and Graduates in recent years submitted to the conference will be awarded.

EXECUTIVE COMMITTEE

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• Track 1: Energy storage, fuel cells, and batteries

• **Track Chair:** Massimo Ceraolo, *University of Pisa, Italy*

• Track Components:

Federico Baronti, *University of Pisa, Italy*
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Track 2 • Advanced driver assistance systems and autonomous driving, safety and Connectivity

• Track Chair:

Marko Bertogna, *University of Modena and Reggio Emilia, Italy*

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 Andrea Penza, *Italy*
 Maria Rita Spada, *Italy*

Track 3 • Smart mobility and energy grid

• Track Chair:

Carlo Alberto Nucci, *University of Bologna, Italy*

• Track Components:

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 Luca Barbierato, *Politecnico di Torino, Italy*
 Claudia De Vizia, *Politecnico di Torino, Italy*
 Giorgio Graditi, *ENEA, Italy*
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 Antonio Lionetto, *STMicroelectronics, Italy*
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 Fabrizio Pilo, *University of Cagliari, Italy*
 Alessandro Ruvio, *Sapienza University of Rome, Italy*
 Alessandro Vizzari - *University of Rome Tor Vergata, Italy*

Track 4 • Power Electronics, active and passive components, sensors and transducers

• **Track Chair:** Matteo Meneghini, *University of Padua, Italy*

• Track Components:

Mauro Ciappa, *ETH Zurich, Switzerland*
 Patrick Fiorenza, *CNR, Italy*
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 Andrea Tallarico, *University of Bologna, Italy*
 Federico Tramarin, *University of Modena and Reggio Emilia, Italy*
 Nicola Trivellin, *University of Padua, Italy*

Track 5 • AI for automotive: Hardware and software architectures

• Track Chair:

Angelo Garofalo, *University of Bologna, Italy*

• Track Components:

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 Pasquale Davide Schiavone, *École polytechnique fédérale de Lausanne, Switzerland*
 Federica Zonzini, *University of Bologna, Italy*

Track 6 • Electric Motors and Drives for green transportation

• Track Chair:

Davide Barater, *University of Modena and Reggio Emilia, Italy*

• Track Components:

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 Sergio Busquets Monge, *Universitat Politècnica de Catalunya, Spain*
 Carlo Cecati, *University of L'Aquila, Italy*
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