

AUTO MOTIVE

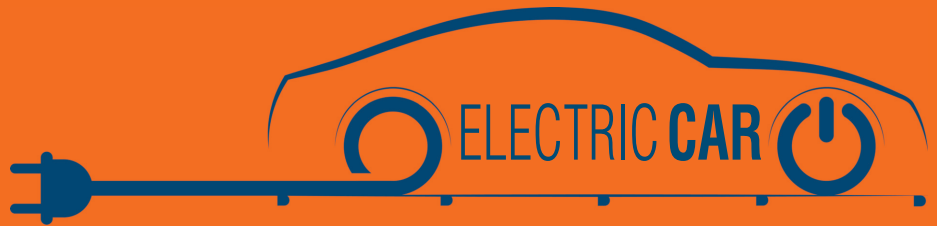
Virtual Conference
18-20, November 2020

Organized by



Call for Papers

VIRTUAL Conference



International Conference of Electrical and Electronic Technologies for Automotive

AEIT AUTOMOTIVE 2020 Conference, after 4 successful editions, will be held on November, 18-20 to host regular papers in several areas of the multi-form automotive and e-mobility fields. In light of the escalating spread of the Coronavirus (Covid-19) around the world, **AEIT AUTOMOTIVE** will be a virtual conference: technical sessions will be virtually held and speakers and attendants will be worldwide connected. The 5th AEIT International Conference of Electrical and Electronic Technologies for Automotive (**AEIT AUTOMOTIVE 2020**) 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 electrical vehicles, connected autonomous cars, special vehicles, and e-mobility.

AEIT AUTOMOTIVE 2020 will bring together in an annual event, the Electrical and Electronic specialists, Mechanical and Systems Engineers, and the Information and Communication Technology specialists. The Steering and the Technical Program Committee include experts from the Academic world, Associations, Key Industrial Stakeholders and Regulatory Authorities.

Scientific Sessions Key tracks are:

1. **Hybrid and electric powertrains and emission regulations**
2. **Energy infrastructures, fuel cells, and batteries**
3. **Advanced driver assistance systems and autonomous driving, safety and connectivity**
4. **Mobility, smart cities, energy grid, and communication networks**
5. **Power Electronics, Active and Passive Components, sensors and transducers**

AEIT AUTOMOTIVE 2020 will host papers on:

- Evolution of the electrical car, from mild hybrid to full electrical traction
- Low emission regulations and high performance vehicles
- Battery progresses, performance and cost, fuel cells

- Electrical car autonomy and related recharging infrastructure - Smart grid involvement
- Connected cars: a major enabler for safety and traffic control
- Assisted and autonomous driving: technology, safety, ethical, and social issues
- Ethical policies for assisted and autonomous driving; legal regulations
- Network and protocols related issues
- Interaction with smart city and mobility management
- Digital and analog sensors and Electronics for vehicle diagnostics and control, safety, assisted driving and emerging applications
- Photonics, laser manufacturing, car lighting

AEIT AUTOMOTIVE 2020 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.

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SPECIAL SESSIONS

The conference will include Special Sessions on highly specialized topics reporting technical trends and breakthroughs within the scope of the conference. Special Sessions are organized at the initiative of one or more individuals, who must adhere to specific procedures published at the conference website.

TUTORIALS

The conference will include a number of Tutorials on cutting edge technologies related to the conference topics. Therefore, the Organizing Committee invites outstanding researchers in respective area to propose tutorials to be presented during the conference.

DEADLINES

- Special Session proposal: **May 31st, 2020**
- Preliminary paper submission: **June 30th, 2020**
- Notification of acceptance: **July 31st, 2020**
- Final Paper (Camera Ready): **September 30th, 2020**

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