AEIT AUTOMOTIVE 2019 Conference, after 3 successful editions, will be held on July 2/4 2019 to host regular papers in several areas of the multiformal automotive field.

The 4th AEIT International Conference of Electrical and Electronic Technologies for Automotive (AEIT AUTOMOTIVE 2019) 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 and related mobility.

AEIT AUTOMOTIVE 2019 will bring together in an annual event, spread over 3 days, the Electrical and Electronic Automotive specialists with the Information and Communication Technology ones.

The Steering and the Technical Program Committee include experts from the Academic world, Associations, Key Industrial Stakeholders and Regulatory Authorities.

AEIT AUTOMOTIVE 2019 will be structured in 3 days with 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.
Scientific Sessions Key tracks are:
1. Hybrid and electric powertrains and emission regulations
2. Energy infrastructures and batteries
3. Assisted and autonomous driving, safety and connectivity
4. Mobility, smart cities and networks
5. Power Electronics, Active and Passive Components

AEIT Automotive 2019 will host papers on:
• Evolution of the electrical car, from mild hybrid to full electrical traction
• Low emission regulations and high performance as the two major drivers in this area
• Battery progresses in performance and cost as a key enabling technology
• Electrical car autonomy and related recharging infrastructure - Smart grid involvement
• Connected cars: a major enabler for safety and traffic control
• Laser based manufacturing for automotive
• Network infrastructure evolution for automotive applications: low latency transmission, protocol and applications
• In-vehicle and vehicle-to-vehicle communications: first enablers of autonomous driving
• Interaction with smart city and mobility management
• Autonomous and drive assisted cars for improved safety, including legal regulations evolutions
• Sensors, Photonics and Electronics for vehicle diagnostics and control, safety, assisted driving and emerging applications

AEIT AUTOMOTIVE 2019 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. Special conditions will apply to encourage the participation of students of specific university courses. Authors are invited to submit preliminary papers consisting in 6 pages in standard IEEE two column format via EDAS, including track number and indication of the preference for dialogue or lecture presentation. The preliminary paper should contain a complete description of the proposed technical contribution along with results, suitably framed in the related state of the art. 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. Papers must be prepared according to the Author’s instructions reported on the AEIT Automotive 2019 website http://convegni.aeit.it/automotive

All Papers accepted will be included in the Conference Proceedings. Conference content will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases.

CALL FOR 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.

DEADLINES
• Preliminary paper submission: March 15th, 2019
• Notification of acceptance: April 15th, 2019
• Final Paper (Camera Ready): May 15th, 2019

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