

113th edition

AEIT International Annual Conference

2nd Virtual Edition • 4/8 October 2021

CALL FOR PAPERS

While COVID19 has disrupted the world, the pressure to change our society to make it more secure, resilient, and environmentally friendly has increased. The international conference AEIT 2021 addresses main scientific and technological challenges needed to decarbonize and make more resilient our society while providing an outlook to the opportunities which derive from the energy and digital transition at the center of the political agenda worldwide.

Intelligent and sustainable management of technological grids, decarbonization through electrification, tight interdependent energy systems, large bandwidth interconnections and digital solutions for the modern knowledge-based society, advanced regulation, legislation, and economics for a fast-paced transition will be among main topics of the conference.

AEIT 2021 is an international forum on the scientific and industrial outcomes aiming to stimulate innovative entrepreneurial initiatives and increase competitiveness.

AEIT 2021 is at its 113th edition and its second edition as a virtual conference: speakers and attendees will be worldwide connected.

Organised by



SUBMISSION OF PAPERS

The working language of the conference is English. Submit the full paper (six pages) as PDF following the IEEE layout requirements by using the templates given at the conference web page: <https://convegnae.it/AEIT2021> via EDAS (<https://edas.info/N28290>). The full paper should contain a complete description of the proposed technical contribution along with some 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.

Conference content will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases.

Topics of interest include but are not limited to:

- ♦ Automotive
- ♦ Bioengineering & Healthcare
- ♦ Broadband Communications
- ♦ Cloud and Hybrid Systems
- ♦ Cyber-Physical Systems
- ♦ Cyber-Security
- ♦ Diagnostics
- ♦ Digital Transition
- ♦ Economic Recovery Policies
- ♦ Electrical Machines & Drives
- ♦ Electromagnetic Models & Simulations
- ♦ Energy Efficiency
- ♦ Energy Storage
- ♦ Energy Transition
- ♦ Industry 4.0 and Digital Innovation
- ♦ Internet of Things
- ♦ Measurements and Instrumentation
- ♦ MEMS & Smart Sensors
- ♦ Mobility and Electric Transportation
- ♦ Multi-carrier energy systems
- ♦ Nanoelectronics
- ♦ Photonics
- ♦ Power Electronics
- ♦ Power System Analysis and Control
- ♦ Power to X (P2X)
- ♦ Regulation and Legislation in the Energy and Digital Sectors
- ♦ Renewable Energy Sources
- ♦ Robotics and Artificial Intelligence
- ♦ Service Continuity and Safety Management
- ♦ Smart Cities
- ♦ Smart Grids
- ♦ Software Defined Networks (SDN) and SW Virtualization
- ♦ Sustainability
- ♦ Telecommunications Services
- ♦ Transmission & Distribution of Electricity

SPECIAL SESSIONS

The conference will include Special Sessions on highly specialized topics reporting technical trends and breakthroughs within the scope of the conference.

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. Proposals should include: title, name of instructor(s), a 500 word (max) abstract, a detailed list of topics, instructor's CV, a list of most relevant papers published by instructor(s) in the area of the tutorial. A template is available on the conference website.

BEST STUDENT PAPER AWARD

The best Contribution from Students and Graduates in recent years submitted to the conference will be rewarded.

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IMPORTANT DATES

Special Session proposal ♦ **April 30, 2021**
Tutorial proposals submission ♦ **April 30, 2021**
Paper submission ♦ **May 20, 2021**
Student Contest Paper Submission ♦ **May 20, 2021**
Acceptance notification ♦ **June 5, 2021**
Final Manuscript and Presentation ♦ **June 15, 2021**

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