

110th Edition

AEIT 2018 INTERNATIONAL Annual Conference

Organised by



Bari, Italy 3-5 October 2018

In recent years, we are seeing a growing synergy among infrastructures and systems for the production, transmission, distribution and conversion of electricity, telecommunications, and computing technologies that provide for the intelligence of the whole system. The ever-increasing dependence on electricity for carrying out daily activities, increasingly employing smart devices, and the need for an intelligent management of the power grid in presence of a distributed generation from renewable sources, both are creating a tight interdependent system. Cloud computing, big data, large bandwidth interconnections support modern knowledge-based society paradigms.

AEIT 2018 will be an international forum to point out the challenges needs to face with in order to stimulate innovative entrepreneurial initiatives, and increase country's competitiveness.

The conference will host both technical and scientific contributions in the wide fields of electricity, automation, telecommunications and information technology. It will also be the venue for hosting panels and speeches from national and international stakeholders for discussing those strategies useful to increasing competitiveness, and lay the foundations for the creation of new scientific as well as technical initiatives.

Technical sponsorship of



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 template given at the conference web page: <http://convegna.aeit.it/AEIT2018> via EDAS. 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. All accepted papers are expected to be included in IEEE Xplore and will be indexed by EI. Topics of interest include but are not limited to:

- Automotive
- Bioengineering & Healthcare
- Broadband Communications
- Cloud and Hybrid Systems
- Cyber-Physical Systems
- Cyber-Security
- Diagnostics
- Electrical Machines & Drives
- Electromagnetic Models & Simulation
- Energy Efficiency
- Energy Storage
- Internet of Things
- Measurements and Instrumentation
- MEMS & Smart Sensors
- Mobility and Electric Transportation
- Nanoelectronics
- Photonics
- Power Electronics
- Renewable Energy Sources
- Service continuity and Safety management
- Smart Cities
- Smart Grids
- Sustainability
- Telecommunications Services
- Transmission & Distribution of Electricity

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.

Tutorials

AEIT2018 will include a number of Tutorials on cutting edge technologies related to conference topics. Therefore, the Organizing Committee invites outstanding researchers in respective area to propose 3 hour 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 tutorial. A template is available in the conference website.

Steering Committee

- **Debora Stefani** *AEIT - Chair, Italy*
- **Kamal Al-Haddad**
ETS Montreal, Canada - Past IEEE IES President
- **Federico Baronti** *Università degli Studi di Pisa, Italy*
- **Concettina Buccella**
Università degli Studi dell'Aquila, Italy - Chair of the IEEE IES Renewable Energy Committee
- **Roberto Caldon** *AEIT - University of Padova, Italy*
- **Giovanni Cancellieri**
AEIT - Università Politecnica delle Marche, Italy
- **Carlo Cecati**
University of L'Aquila, IEEE-IES - Conference Technical Programme Chair
- **Peter Kieseberg** *SBA Research, Austria*
- **Fei Gao**
University of Monfort, UK, Chair of the IEEE IES Transportation electrification
- **Giorgio Giacinto** *AEIT Sez. Sarda - University of Cagliari, Italy*
- **Stefano Massucco** *AEIT AEE - University of Genoa - IEEE-PES Chapter, Italy*
- **Dan D. Micu** *Technical University of Cluj-Napoca, Romania*
- **Roberto Oboe**
Università degli Studi di Padova, Italy - IEEE IES VP for Technical Activities
- **Grigoris K. Papagiannis**
Aristotle University of Thessaloniki, Greece
- **Giuseppe Parise**
AEIT ASTRI - Sapienza University of Rome, Italy / IEEE-IAS Italy Chapter Chair, Region 8 Chair
- **Angelo Raciti** *AEIT - University of Catania*
- **Pierluigi Siano**
Università degli Studi di Salerno, Italy - Chair of the IEEE IES Smart Grid Committee
- **Guillermo Suarez de Tangil** *UCL, UK*
- **Gianfranco Veglio** *AEIT, Italy*
- **Xinghuo Xu** *RMIT Melbourne, Australia - IEEE IES President*

Important Dates

- | | |
|---|---------------------------|
| Special Session proposals: | • March 15, 2018 |
| Tutorial proposals submission: | • April 15, 2018 |
| Papers submission: | • May 15, 2018 |
| Acceptance notification: | • June 30, 2018 |
| Final Manuscript and authors' registration: | September 10, 2018 |

Secretariat

AEIT Ufficio Centrale • Via M. Macchi 32 • 20124 Milano
Tel. +39 02 87389965 • E-mail: convegnoannuale@aeit.it
Web Site: <http://convegna.aeit.it/AEIT2018>