

# ENERGY 2019

## Forward

The Ninth International Conference on Smart Grids, Green Communications and IT Energy-aware Technologies (ENERGY 2019), held between June 02, 2019 to June 06, 2019 - Athens, Greece, continued the event considering Green approaches for Smart Grids and IT-aware technologies. It addresses fundamentals, technologies, hardware and software needed support, and applications and challenges.

There is a perceived need for a fundamental transformation in IP communications, energy-aware technologies and the way all energy sources are integrated. This is accelerated by the complexity of smart devices, the need for special interfaces for an easy and remote access, and the new achievements in energy production. Smart Grid technologies promote ways to enhance efficiency and reliability of the electric grid, while addressing increasing demand and incorporating more renewable and distributed electricity generation. The adoption of data centers, penetration of new energy resources, large dissemination of smart sensing and control devices, including smart home, and new vehicular energy approaches demand a new position for distributed communications, energy storage, and integration of various sources of energy.

We welcomed academic, research and industry contributions. The conference had the following tracks:

- Energy efficiency planning
- Smart Grids management and control
- Trends in energy fields
- Green communications

We take here the opportunity to warmly thank all the members of the ENERGY 2019 technical program committee, as well as all the reviewers. The creation of such a high quality conference program would not have been possible without their involvement. We also kindly thank all the authors who dedicated much of their time and effort to contribute to ENERGY 2019. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

We also thank the members of the ENERGY 2019 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope that ENERGY 2019 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in the areas of smart grids, green communications and IT energy-aware technologies. We also hope that Athens, Greece provided a pleasant environment during the conference and everyone saved some time to enjoy the historic charm of the city.

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