Proceedings

2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG)

Online - Setúbal, Portugal
08 - 10 July, 2020

Organized by

Setúbal School of Technology, Portugal
Polytechnic Institute of Setúbal, Portugal
Centre of Technology and Systems, Portugal
Instituto de Desenvolvimento de Novas Tecnologias, Portugal
Faculdade de Ciências e Tecnologia, Universidade NOVA de Lisboa, Portugal

Sponsored by

The Institute of Electrical and Electronics Engineers (IEEE)
IEEE Industrial Electronics Society (IES)
Welcome to CPE-POWERENG 2020

On behalf of the Organization Committee of CPE-POWERENG 2020 it is our pleasure to welcome you to the fourteenth edition of CPE-POWERENG. This year the Conference is co-organized by UNINOVA - Instituto de Desenvolvimento de Novas Tecnologias, Universidade Nova de Lisboa-FCT-DEE, Instituto Politecnico de Setubal and IEEE Industrial Electronics Society. On behalf of the organizing committees and all the volunteers that contribute with passion to this event, we invite you to enjoy one of the IEEE IES' annual flagship conferences and to take part in its technical activities.

Since the merging of CPE and POWERENG, CPE-POWERENG has become a reference for researchers, providing the exchange of new ideas and results; bringing together researchers and engineers from all over the world, promoting international and national collaboration and attracting more young researchers, from different countries, to this important scientific area.

Unfortunately, due to the ongoing COVID-19 pandemic, the Conference, as well as many other Human activities, was also affected. All the uncertainties and concerns forced us to take some hard decisions in order to keep the Conference as close as possible to its original essence. Although the Conference must take place remotely, we are certain that all participants will take the opportunities offered by the digital platforms to exchange experiences and knowledge with colleagues from different universities and areas of research.

During three days the Conference offers three high quality keynote presentations, two special sessions and 87 lecture presentations. All papers were reviewed according to high quality standards and have been scheduled in oral sessions to allow a dynamic exchange among the researchers and a better understanding of the new concepts and presented ideas.

Finally, we would like to thank all the Authors and Participants for their input, the Technical Program Committee, the Track Chairs, the Keynote Speakers, the Special Session Organizers, the Reviewers, and all the local and international Volunteers who have contributed to the event.

João Martins and Vitor Fernão-Pires

CPE-POWERENG 2020 Forum Co-Chairs