

Preface

It is our great pleasure to publish the conference proceedings of 2022 the 12th International Conference on Power and Energy Systems (ICPES 2022), which was held on December 23-25, 2022 in Guangzhou, China. It's co-sponsored by South China University of Technology, University of Electronic Science and Technology of China, Guangdong University of Technology, IEEE PES, and IEEE.

ICPES is the premier Power and Energy Systems conference, providing a forum for researchers, practitioners and educators to present and discuss the most recent innovations, trends, experiences and concerns in the field of Power Engineering, Renewable Energies and Energy Systems. We believe that this conference proceedings will inject new impetus into the academic research and engineering practice of power and energy systems in the era of global energy crisis and energy transition.

178 submissions were accepted as full papers for publication and presentation in ICPES 2022 proceedings. All papers published in the proceedings have been peer reviewed by the reviewers drawn from the international reviewers and external reviewers specific to the subject matter of the paper. After the rigorous peer-review process, the submitted papers were selected based on originality, significance, and clarity for the purpose of the conference.

A word of special thanks is given to our keynote speakers and invited speakers who are pleased to make contributions to our conference and share their new research ideas with us. We'd like to express our sincere gratitude to everyone who has contributed to this conference. Additionally, our special thanks go to our fellow members of the Organizing Committee for their excellent work in securing a substantial input of papers from all over the world and in encouraging participation.

Conference Chairs

Haoyong Chen, South China University of Technology, China

Loi Lei Lai, Guangdong University of Technology, China

Qi Huang, Chengdu University of Technology, China

Publications Chairs

Shenxi Zhang, Shanghai Jiao Tong University, China

Chengxin Li, Sichuan University, China

Chun Sing Lai, Brunel University London, UK