

## Special Issue

# Power Systems and Renewable Energy Systems: Technologies and Applications

### Message from the Guest Editors

Power systems are composed of large and complex networks governed by physical laws, in which unexpected and uncontrollable events may occur. This complexity has grown considerably in recent years due to increased renewable energy generation capacity and increased distributed generation. Therefore, the analysis, design and operation of current and future power systems requires an effective approach for solving various problems, such as load flow parameters, location finding, filter design, fault location, accident analysis, system recovery after blackout, islanding detection, economic dispatch, unit commitment, etc. This evolution has been so frenetic that it has become necessary for engineers to continuously update the material in order to successfully face and overcome the new challenges involved in managing a new generation of networks

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### Guest Editors

Dr. Yingyi Liu

Dr. Yiyi Liu

Dr. Lihui Yang

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### Deadline for manuscript submissions

closed (20 February 2025)



## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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