

## Special Issue

# Disturbance Monitoring, Identification and Stability Control of Power Systems

### Message from the Guest Editors

Power systems have evolved over the past few decades. However, extreme operational conditions and disturbances have constantly challenged power system operations. Furthermore, the complexity of the current grid is growing, along with the number of consumers and renewable energy resources. The need for power system disturbance monitoring, identification and stability control has become more and more significant for future research. To protect the system's stability and electrical generation, researchers have made many efforts, but these systems still suffer from unresolved, challenging technical issues and emerging phenomena and problems. In this Special Issue, we aim to collect research on advances in power systems, with topics including, but not limited to:

- Power systems;
- Smart grids;
- Power system monitoring;
- Disturbance identification;
- Power control;
- Electrical power;
- Energy systems;
- Power system security;
- Stability assessment;
- Numerical simulation.

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### Guest Editors

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### Deadline for manuscript submissions

closed (29 February 2024)



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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

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