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## Energy Storage Technologies for Grid Forming Systems

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### Message from the Guest Editors

The use of energy storage systems in grid-forming systems can greatly benefit the stability and reliability with intermittent renewable energy sources such as solar and wind.

In grid-forming systems, where power electronics inverters independently control voltage and frequency, energy storage systems can quickly respond to grid imbalances and fluctuations. They can inject or absorb power as necessary, thereby maintaining grid stability and ensuring a dependable power supply. This feature makes them a reliable source of energy during emergencies, reducing dependence on traditional backup generators or costly grid infrastructure upgrades.

In summary, the integration of energy storage systems in grid-forming systems can play a significant role in facilitating the integration of renewable energy sources by improving the overall performance, stability and reliability of the power grid. We invite authors to submit their innovative findings related to energy storage technologies for grid-forming systems for consideration in this Special Issue.



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**Special** Issue



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## Message from the Editor-in-Chief

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