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Application of Electric Vehicle to Grid Strategies in Smart Grid Environment

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

Electric vehicles (EVs) are rapidly being embraced by governments, industries, and consumers due to their environmental and economic benefits. The charging needs of EVs may present a great challenge to the power grid. However, EVs might also be considered as a source of energy storage that can support more efficient and resilient operation of power grids. For instance, EVs could contribute to peak load leveling of power grids via vehicle-to-grid (V2G) technologies. This Special Issue is seeking contributions regarding the application of V2G strategies in the smart grid environment.

Topics of interest include, but are not limited to, the following:

- V2G strategies for electrified passenger vehicles, transit bus systems, delivery systems, freight transport, etc.;
- V2G strategies to support efficient operation of power grid;
- V2G strategies to support power grid resilience;
- Economic analysis of V2G strategies;
- Impact of V2G on battery life;
- V2G strategies for renewable energy integration.

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Message from the Editor-in-Chief

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