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Advances in Electric Vehicle Technologies, Charging Methods, Standards and Optimization Techniques

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Deadline for manuscript submissions:
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Message from the Guest Editors

The number and proportion of electric vehicles (EVs) have been rapidly increasing in recent years, with many countries and regions setting aggressive EV development goals. However, we must note that as the number of EVs increases, problems such as shortages in charging stations, long charging time and low economy are gradually emerging. To ensure the momentum of EVs, the extensive construction and efficient utilization of EV charging facilities is necessary. This includes not only the EV technologies themselves but also the exploration of new charging methods and research into new charging technologies.

- Integration of EV charging network with smart grids;
- Impacts of EV charging networks;
- Analysis of EV charging behaviors;
- Optimal planning of EV charging;
- Optimal charging strategies for EVs;
- Fast charging technology (extreme fast charging, ultra-high-volume charging, ChaoJi, etc.);
- EV with autonomous driving;
- Cyber-physical systems in EV charging;
- Integration of EV with intelligent transportation systems and smart cities;
- Cyber security, privacy, and data management in EV charging;
- Operation study of EV charging;
- Smart charging;
- Standardization of EV charging.

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Special Issue

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Message from the Editor-in-Chief

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