

# Call for Papers

Special Issue on “New models, methods and critical technologies on the integrated development of transportation and energy”

## Important Dates

**Full Paper Submission: Apr. 30, 2020**

**Final Decision Notification: Jun. 30, 2020**

**Publication of Special Issue: Aug. 31, 2020**

To realize a green, clean, secure, and low-emission transportation, the seamless integration of renewable energy and electrical transportation (especially railway and electric vehicles) is becoming a priority in both energy and transportation sectors. Constructing a highly self-consistent and resilient trans-energy system is a long-term goal of transportation system. By integrating the transportation infrastructure with the renewable energy, using flexible energy storage to support renewable energy generation, connecting the electric transportation with the grid in bi-direction, trans-energy system can significantly increase the ability to accommodate higher penetration of renewable energy.

Immensely integrated energy and transportation system will be a new ecosystem of distributed energy source, large scale micro grid and volatile transportation load. Thus, novel views and technologies are urgently needed to analyze the potential of energized transportation, construct a flexible, stable and strong energy storage system to balance the volatile renewable energy with the volatile transportation load, monitor the three-way energy, transportation and information flow freely, efficiently and securely, discuss the trans-energy network economic problems and etc.

In order to promote academic exchanges and theoretical research progress in the field of integrated development of transportation and energy. *CSEE Journal of Power and Energy Systems (CSEE JPES)* editorial department invites Prof. Limin Jia from Beijing Jiaotong University, Prof. Kaushik Rajashekara from the University of Houston, Prof. Zhengyou He from Southwest Jiaotong University, Prof. Jianhui Wang from Southern Methodist University, and Prof. Jing Ma from North China Electric Power University to preside over the topic of "New models, methods and critical technologies on the integrated development of transportation and energy". **Topics of interest include, but are not limited to:**

- Architectures, models and solutions for the different trans-energy systems (railway or EV).
- Theory, methodology, and practical design for a flexible and resilient energy storage system .
- Models, operations and control technologies for Trans-energy system.
- Distributed micro-grid simulation, integration optimization, and management technologies.
- Energy-economic analyzation and value assessment for trans-energy systems.
- Privacy and security solutions for building a secure and stable trans-energy networks.
- Estimation and evaluation of the self-contained ability of trans-energy system.
- Computation, communication and other methodologies for trans-energy system.

## Guest Editors-in-Chief:



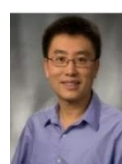
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