



Integrated Transmission and Distribution System Analysis

Guest Editor:

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Deadline for manuscript
submissions:

closed (20 May 2021)

Message from the Guest Editor

Dear Colleagues,

This Special Issue investigates problems where the analysis uses an integrated transmission and distribution system model. Such an integrated system model is also referred to as a hybrid model. High levels of renewable energy sources at the distribution level, and the resulting effect on the transmission system, are encouraged. Articles that report results for very-large-scale systems (e.g., greater than 100,000 nodes) are encouraged.

Topics of interest include:

- Assessing the impact of renewable generation and energy storage on the electric power system;
- Smart grid applications;
- Data-driven analysis;
- Machine-learning algorithms;
- Employing measurement data (e.g., from PMUs and AMI) in analysis;
- Techniques for analyzing system stability and detecting instabilities in real-time;
- Energy trading that addresses micro-grids and/or electric power prosumers.

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Guest Editor





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Message from the Editor-in-Chief

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