Load Modelling of Power Systems II

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Message from the Guest Editors

Dear Colleagues,

The general theme of this Special Issue is modelling of loads in the context of analysis, control and operation of existing electricity supply networks and future "smart grids", at all voltage levels and in a variety of applications, including:

- Modelling of recently introduced, new and emerging types of loads;
- Load models of different classes of customers in modern power supply systems;
- Measurement-based and component-based load modelling approaches;
- Time-domain, frequency-domain and other load models and modelling techniques;
- Static and dynamic load models and modelling methodologies;
- Data analytics and data mining for load modelling purposes;
- Load profiling, load decomposition and load disaggregation;
- Modelling and representation of aggregate loads and evaluation of their impact;
- Combined load–generation–storage–network models, e.g., models of "active distribution network cells", microgrids and virtual power plants;
- Load modelling in related "smart grid" applications, e.g., demand-side management and demand–response schemes, functionalities and services.

Special Issue

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Message from the Editor-in-Chief

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