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Planning and Economics of Electric Energy Systems

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Message from the Guest Editor

Dear colleagues,

In recent decades, there has been an important increase in the use of renewable energy sources aiming at reducing the greenhouse gas emissions. In this vein, many countries are still implementing new actions to further reduce these emissions, such as the progressive replacement of combustion-engine vehicles by electric vehicles, the transition to fully renewable electric energy systems, and the development of new technologies that allow storinf energy in large quantities. All these actions will change the way that electric energy systems are operated, both from a technical and a economical point of view. Thus, new approaches are needed for the planning and economics of future electric energy systems.
Topics of interest for this Special Issue include but are not limited to the following:

- Transmission expansion planning to enable a high penetration of electric vehicles and renewable energies;
- Generation expansion planning in fully renewable electric energy systems;
- Generation and tranmission expansion planning in power systems considering storage facilities;
- New methods to account for uncertainties in the planning and economics of electric energy systems.

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Message from the Editor-in-Chief

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