



Battery Energy Storage Systems: Application in Power Electronics and Power Systems

Guest Editors:

Dr. Noradin Ghadimi

Department of Industrial Engineering, Ankara Yıldırım Beyazıt University (AYBU), Ankara 06010, Turkey

Dr. Navid Razmjoo

Department of Industrial Engineering, Ankara Yıldırım Beyazıt University (AYBU), 06010 Ankara, Turkey

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Message from the Guest Editors

Dear Colleagues,

The ever-increasing demand of energy in different sectors has made different societies face a big challenge. The ever-increasing energy consumption has made it necessary to produce as much as possible. At the same time, the necessary tools for energy production are facing many problems. The output of some resources fluctuates a great deal in daily, monthly, and yearly periods. All at once, the amount of demand in renewable sources may also change on daily, monthly, and yearly bases. A battery is a portable energy source that converts chemical energy into electrical energy.

Battery energy storage systems (BESSs) are systems that have the ability to charge and discharge and act as a load during charging and as an energy producer during discharge. Battery energy storage systems have high efficiency and are centralized, and these systems are easy to install and have centralized applications. Therefore, this Special Issue aims to present manuscripts indicating the use of different kinds of batteries, such as VRLA, alkaline batteries, carbon zinc batteries, silver oxide batteries, and zinc air batteries as BESS in different power systems and power electronics.





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Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

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