Challenges and Research Trends of Telecommunication and Electrical Engineering

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Message from the Guest Editor

In recent years, deep learning has emerged as a novel class of machine learning algorithms that represent electrical systems data via a large hypothesis space that leads to state-of-the-art performance. Deep learning techniques are especially useful for analyzing complex, rich, and multidimensional signals.

Based on these considerations, this Special Issue will focus on the modeling and analysis of electrical power systems, telecommunication systems, renewable energy, electrical vehicles, smart grids, energy and environment, and signal estimation.

Keywords

- signal processing
- telecommunication engineering
- renewable energy
- power electronics
- robotics
- smart grids
- deep learning
- unmanned vehicles
- power systems
- signal detection and estimation
- energy and environment
- energy sources

Special Issue

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Message from the Editor-in-Chief

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