Special Issue

Deep Learning and Advanced Machine Learning for Energy Forecasting

Message from the Guest Editor

This issue will highlight the paradigm shift from classical forecasting models to more sophisticated, data-driven techniques. We will feature research that leverages state-of-the-art machine learning and deep neural networks for granular energy consumption analysis and real-time carbon emission prediction. Furthermore, this issue will confront the practical challenges inherent in real-world energy data, presenting innovative solutions for handling incomplete datasets to ensure the development of robust predictive systems. In recognition of the growing complexity and data sensitivity in modern energy networks, we will also explore pioneering frameworks, including distributed and privacy-preserving approaches, for secure and efficient energy scheduling. This Special Issue will provide a timely snapshot of the cutting-edge research driving the future of intelligent and sustainable energy management.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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