



## Application of Deep Neural Network in Electrical and Electronic Engineering

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### Message from the Guest Editors

The widespread use of Deep Neural Networks (DNNs) has revolutionized various domains by providing powerful tools for pattern recognition, data analysis, and predictive modeling. Indeed, in the field of Electrical and Electronic Engineering, DNNs offer transformative potential across a wide spectrum of applications. The capability to handle non-linear and high-dimensional data makes DNNs particularly effective in these applications. Recommended topics include, but are not limited to, the application of DNNs in the following Electrical and Electronic Engineering areas: Metrology; Computer vision for automotive and industry 4.0; Control systems and robotics; Circuit design and optimization; Power system optimization; Microelectronics and nanoelectronics devices modeling and improvement; Novel signalprocessing techniques; Novel techniques for telecommunications; Applications and novelties in optics and photonics; Novel methodologies for explainability. Other topics are welcome as long as they fall within the applied case studies of the Electrical and Electronic Engineering area.





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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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