



## Challenges and Opportunities of Artificial Intelligence for Electronic Design: Theory and Applications

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### Message from the Guest Editor

This Special Issue aims to provide readers with a timely snapshot of the state-of-the-art developments in the field of artificial intelligence applied to the modeling, design, validation, and testing of electronic hardware. The topics span from the theory, the algorithms, and the neural network architectures to improve the accuracy, efficiency, and optimization of AI processes to practical applications, innovative tools, and prototypes that help and support the correct and advanced design of electronic systems and components.

- artificial intelligence
- artificial neural networks
- big data management
- learning techniques
- optimization
- printed circuit boards
- analog circuits
- RF systems
- IC and packages
- power delivery networks
- signal integrity
- power integrity
- CAD and tools





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## Message from the Editor-in-Chief

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