

## Special Issue

# Applications of Artificial Intelligence, Machine Learning, Deep Learning, and Explainable AI (XAI)

### Message from the Guest Editors

Artificial intelligence (AI) with machine learning and deep learning models has been widely applied in numerous domains, including medical imaging, healthcare, industrial manufacturing, sports, and many more. In recent years, many efforts have been made to improve the interpretability of the decisions of machine learning and deep learning algorithms. Explainable Artificial Intelligence (XAI) has been established as a new research area, which aims to provide new methodologies and algorithms to enhance transparency and reliability to both the decisions made by predictive algorithms and the contributions and importance of individual features to the outcome. The purpose of this Special Issue is to report on the advances in state-of-the-art research on artificial intelligence machine learning, deep learning, and explainable AI applications. The advances in the state-of-the-art for addressing real-world AI applications are of great interest.

### Guest Editors

Dr. Pratheepan Yogarajah

Dr. Muthu Subash Kavitha

Dr. Lamiaa Abdel-Hamid

Dr. Ananthakrishnan Balasundaram

### Deadline for manuscript submissions

closed (15 January 2025)



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*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto:electronics@mdpi.com)

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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

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