# Special Issue

# Advances in Machine Learning and Data Mining: Emerging Trends and Applications

# Message from the Guest Editor

Machine learning (ML) and data mining (DM) have significantly transformed various sectors by providing sophisticated techniques to analyze and extract valuable insights from vast datasets. As these technologies evolve, they offer new opportunities and challenges across diverse applications. The continued advancement in ML and DM is driven by emerging trends, innovative methodologies, and the need to address complex real-world problems. This Special Issue aims to explore these cutting-edge trends and their applications across various domains, reflecting these technologies' rapid progress and interdisciplinary impact. This Special Issue's scope encompasses foundational advancements and practical applications of machine learning and data mining. We seek contributions highlighting novel approaches, theoretical advancements, and practical implementations. Topics of interest include but are not limited to emerging algorithms and models, applications across domains, interdisciplinary integration, data management and processing, and ethics and fairness.

### **Guest Editor**

Dr. Donghai Guan

College of Computer Science & Technology, Nanjing University of Aeronautics and Astronautics, Nanjing 211106, China

# Deadline for manuscript submissions

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applisci@mdpi.com

mdpi.com/journal/applsci





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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.

## **Editor-in-Chief**

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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