Special Issue

Sustainable Applications for Machine Learning

Message from the Guest Editors

This Special Issue aims to collate the latest findings on the challenges and state-of-the-art solutions in the sustainability of ML as well as its applications. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Dependability of machine learning models;
- Acceleration of deep neural networks;
- Privacy-preserving aspects of machine learning;
- Reliability assessment of deep learning systems;
- Multi-agent systems in reinforcement learning;
- Privacy concerns in federated learning approaches;
- Artificial neural network applications in a circular economy;
- Sustainability of natural language processing models;
- Optimization in machine learning;
- Recommender systems;
- Graph neural network analysis;
- Reliability in ensemble learning;
- Security aspects of generative models;
- Ethical issues with AI/ML;
- Machine learning applications in healthcare;
- Computer vision applications in smart cities;
- Machine learning for business continuity;
- Machine learning for sustainable supply chains;
- The role of ML/DL in Industry 4.0.

We look forward to receiving your contributions.

Guest Editors

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Message from the Editor-in-Chief

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