Special Issue

Emerging Research on Neural Networks and Anomaly Detection

Message from the Guest Editors

The Special Issue "Emerging Research on Neural Networks and Anomaly Detection" is postponed! In this Special Issue, we aim to present the latest research trends in neural networks and anomaly detection. Particularly, we encourage the innovative application of neural networks to anomaly detection in the real world, which has been an active research area over the past few decades. Traditional machine learning-based or statistical solutions have been designed to achieve anomaly detection. However, it is challenging to apply traditional solutions to solve complex problems in various scenarios since these solutions require explicit feature extraction that typically fails to learn implicit relationships among features in the latent space. This issue has become a bottleneck to the improvement of the performance of traditional solutions when applied to anomaly detection.

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Deadline for manuscript submissions

closed (30 June 2025)

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