Special Issue

Recent Applications of Feature Extraction Technologies in Video Analysis

Message from the Guest Editors

In today's digital landscape, video analysis is a cornerstone in understanding and harnessing the potential of visual data in modern systems. With an increase in the number of complex applications requiring humanoid intelligence, video analysis has become more crucial. Video data encapsulates a wealth of information that is crucial for system automation and intelligence. However, extracting meaningful insights from this data poses significant challenges, ranging from data processing intricacies to model development complexities. This Special Issue encompasses a broad spectrum of topics pertinent to feature extraction in video analysis, from data acquisition to quality enhancement, segmentation, and motion tracking. We welcome contributions that showcase advancements in machine learning and deep learning techniques, including large-scale/lightweight neural networks, domain adaptation, and transfer learning, focusing on industrial applications.

Guest Editors

Prof. Dr. Ricardo Malheiro

Prof. Dr. Rui Pedro Paiva

Dr. Renato Panda

Deadline for manuscript submissions

15 March 2025

MDPI