

Special Issue

Machine Learning and Deep Learning Based Pattern Recognition

Message from the Guest Editors

In the modern digital world, patterns can be found in many facets of daily life. They can be physically observed or computationally detected using algorithms. In the digital environment, a pattern is represented by a vector or matrix feature value. Recently, numerous machine learning (ML)- and deep learning (DL)-based techniques have been widely used in order to handle or analyze these feature values in the artificial intelligence (AI) domain. ML is a branch of AI and its goal is to let the computer make its own decisions with minimal human involvement using pattern data. On the other hand, DL is a branch of ML and a popular topic in the field of AI. Using DL and ML models to extract meaningful features from the given text, image, video, or sensor data and analyze those features is known as pattern recognition (PR). PR has been used in various applications in the fields of engineering such as computer vision, sensor data analysis, natural language processing, speech recognition, robotics, bioinformatics, and so on.

Guest Editors

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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