Machine Learning for Pattern Recognition (2nd Edition)

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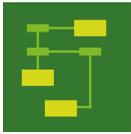
Dr. Chi-Hung Chuang

Message from the Guest Editors

In the field of artificial intelligence, machine learning is a well-known framework for pattern recognition. Machine learning has made significant progress in the field of pattern recognition due to the big data revolution and the development of parallel processing units. Pattern recognition has been widely used in various real-world applications, such as face detection/recognition, facial expression recognition, medical image analysis/recognition, gesture recognition, behavioral recognition, and advanced driver assistance systems (ADASs). The purpose of this Special Issue, although not limited to the following, is to provide a platform to bring together the recent high-quality advances in research, theories, algorithms, innovative ideas, and applications in the above areas.

Special Issue

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Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

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