Special Issue

Computer Vision and Pattern Recognition with Applications, 2nd Edition

Message from the Guest Editor

Computer vision and pattern recognition are fundamental problems in artificial intelligence, which also belongs to the application scopes of mathematical theory and tools. Computer vision enables computers and systems to derive meaningful information from digital images, videos, and other visual inputs, and take action or make recommendations based on that information. Pattern recognition is the process of recognizing patterns using a machine learning algorithm. In recent years, there has been a rapid expansion of computer vision and pattern recognition, and a wide range of applications based on computer vision and pattern recognition can be seen everywhere, e.g., object detection, recognition, segmentation, classification, content generation, and multimedia analysis. In this Special Issue, we aim to assemble recent advances in computer vision, pattern recognition, and related extended applications.

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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