

Special Issue

Advances in Image Feature Extraction and Selection

Message from the Guest Editor

A universal problem of intelligent (learning) approaches is where to focus their attention. It is very crucial to understand “What are the aspects of the problem at hand are important/necessary to solve it?”, i.e., discriminate between the relevant and irrelevant parts of imaging data. Feature selection becomes necessary, especially when dealing with a large number of data (dimensionality reduction), improving, significantly, a learning algorithm’s performance. In real-world applications, this is usually not possible: For most problems, it is computationally intractable to search the whole space of possible feature subsets; one usually has to settle for approximations of the optimal subset; most of the research in this area is devoted to finding efficient search-heuristics. The aim of this Special Issue is to present and highlight novel algorithms, architectures, techniques, and applications for image feature extraction and selection.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

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