Special Issue

Machine Learning in Data Structures

Message from the Guest Editors

This Special Issue focuses on the latest developments in machine learning foundations on data structures, as well as on the synergy between data structures and machine learning. The aim of this Special Issue is to explore machine learning techniques and especially deep learning in order to recognize data schemas and data structures and make them interoperable. This Special Issue is particularly interested in novel algorithms in the context of the application of machine learning to effectively design data structures in various applications. The notions related to the studies we intend to receive in this Special Issue are learned indices, multicriteria data structures and data structure alchemy. Theoretically well-founded contributions and their real-world applications in laying new foundations for machine learning and data structures are welcome. However, demonstration manuscripts that discuss successful system developments, as well as experience/use-case articles and high-quality survey papers, are also welcome. Contributions may span a wide range of algorithms for modeling, practices for building, and techniques for evaluating operations and services.

Guest Editors

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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.

Editor-in-Chief

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