Special Issue

Advanced Structures and Compression, Indexing and Text Retrieval Algorithms

Message from the Guest Editors

In this special issue, we invite researchers on text retrieval, algorithms, data structures, compression, and information theory, to contribute with their best results on how to encode and index string collections of various kinds (natural language, DNA, general strings) space- and time-efficiently on diverse scenarios (classical, highly-repetitive, other application-dependent situations), thereby providing compressed representations that at the same time enable fast searches and analyses of various sorts (exact or approximate string matching, information retrieval, bioinformatic analyses, etc.). Keywords:

- Text compression
- Text indexing
- Compact data structures
- Repetitive text collections
- Pattern matching
- Document retrieval

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Deadline for manuscript submissions

closed (15 May 2021)

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About the Journal

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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