Parallel String Matching Algorithms and Applications

Guest Editors:

Prof. Dr. Panagiotis D. Michailidis

Department of Balkan, Slavic and Oriental Studies, Unversity of Macedonia, 156 Egnatia Str., 54636 Thessaloniki, Greece

Prof. Dr. Konstantinos Margaritis

Department of Applied Informatics, Unversity of Macedonia, 156 Egnatia Str., 54636 Thessaloniki, Greece

Deadline for manuscript submissions:
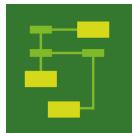**closed (31 December 2019)**

Message from the Guest Editors

We are glad to announce the upcoming Special Issue dedicated to parallel string-matching algorithms and applications. With the recent advances in big text data processing and applications, this Special Issue aims to provide a comprehensive view of the efficient design and implementation of string-matching algorithms for parallel and distributed computing environments (such as multicores, manycores, clusters, CPU/GPUs, grids, p2p, and clouds). We invite researchers and professionals to submit theoretical or practical contributions that aim to present ideas, techniques, and results of parallel computing in all aspects of string matching and related applications (exact/approximate string matching, single/multiple string matching, 2D string matching, and compressed string processing). Manuscripts that focus on research of sequential string-matching algorithms are welcome. Both original research and comprehensive review/survey papers are also welcome.

Special Issue

Editor-in-Chief

Prof. Dr. Frank Werner
Faculty of Mathematics, Otto-von-Guericke-University, P.O. Box 4120, D-39016 Magdeburg, Germany

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.

Author Benefits

Open Access : free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, ESCI (Web of Science), Ei Compendex, and other databases.
Journal Rank: JCR - Q2 (Computer Science, Theory and Methods) / CiteScore - Q1 (Numerical Analysis)

Contact Us