Data Compression Algorithms and their Applications

Guest Editor:

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Deadline for manuscript
submissions:
closed (30 November 2019)

Message from the Guest Editor

Data compression is classic research area in computer science focusing on the efficient storage and communication of data. Data compression is ubiquitous throughout science and engineering and essentially any data of non-trivial size is stored or communicated in compressed form on any modern computer system. With rapid advances in data collection in areas such as e-commerce, astronomy, climatology, bioinformatics, and particle physics, the need for efficient data compression is stronger than ever.

We invite you to submit high quality papers to this Special Issue on "Data compression and applications", with subjects covering the whole range from theory to applications. The following is a (non-exhaustive) list of topics of interests:

- Loss-less data compression
- Lossy data compression
- Algorithms on compressed data
- Compressed data structures
- Applications of data compression

Special Issue

Editor-in-Chief

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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.

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