Coding Theory and Its Application

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Message from the Guest Editors

We are glad to announce the upcoming Special Issue dedicated to coding theory and its applications. This Special Issue aims to provide a unified, comprehensive view of recent advances in channel coding in the context of a broad range of both well-established and emerging applications. While historically tightly related to the problem of protecting communication links, channel codes offer solutions to a large class of challenges, spanning from the efficient storage of information over distributed network nodes to quantum computer attack-resilient encryption algorithms, protocol design for high-throughput uncoordinated medium access control, DNA storage, speeding up distributed computing tasks, and secret key generation—just to mention a few.

Researchers active in the analysis, design, and application of schemes based on channel codes are highly encouraged to submit their recent original findings.

Special Issue

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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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