Special Issue

Coding Theory and Its Applications

Message from the Guest Editors

This Special Issue aims to compile original research articles and comprehensive reviews that reflect the latest developments and future directions in coding theory and its applications. We encourage submissions presenting novel ideas, theoretical advancements, practical implementations, and interdisciplinary approaches. Each submission will undergo a formal peer review process. Topics of interest include, but are not limited to, the following:

- The design and analysis of error-correcting codes;
- Network coding and applications in communication networks;
- Quantum coding and quantum error correction;
- Coding for distributed storage and cloud computing;
- Combinatorial and algebraic coding theory;
- LDPC codes, turbo codes, and polar codes;
- Coding techniques for wireless and optical communications;
- Applications in cryptography and information security;
- Coding for DNA storage and bioinformatics;
- Machine learning approaches in coding theory;
- Lattice codes and advanced modulation techniques;
- Source coding and data compression methods;
- Codes for multimedia transmission and data streaming;
- Coding strategies for the Internet of Things (IoT).

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Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.
Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

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