

Special Issue

Codes, Designs, Cryptography and Optimization, 2nd Edition

Message from the Guest Editor

The aim of this Special Issue is to publish original research articles covering recent advances in any of the areas included in coding theory, cryptography, combinatorial design, and combinatorial optimization, with particular emphasis on establishing new synergies among them, and new applications to other fields and to the real world, including algebraic geometry, artificial intelligence, communication networks, computer science, hardware and software design, design of experiments, logistics, machine learning, and scheduling or transportation networks, among others. Potential topics of this Special Issue include but are not limited to the following:

- Algebraic coding theory;
- Algorithm design and analysis;
- Block design theory;
- Computational complexity;
- Discrete structures: enumeration and classification;
- Error-correcting and error-detecting codes;
- Finite geometry;
- Graph theory;
- Modeling combinatorial optimization problems;
- Network design and analysis;
- Orthogonal arrays;
- Pseudorandom sequences;
- Quantum cryptography;
- Quasigroup theory;
- Secret sharing schemes.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2024)



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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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