Computational Algebra, Coding Theory and Cryptography

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

In today's world, information security, more precisely cryptography, plays a major role. We use it in our daily lives, even if we are not always aware of it. In addition, in the current era of artificial intelligence, its security comes to the foreground. This Special Issue will be focusing on cryptography, coding theory and other aspects of IS. In this Special Issue, we hope to gather the most recent research in the aforementioned areas. Topics include, but are not limited to, the following:

- Algebraic codes in traditional communication channels;
- Code-based cryptography;
- Algebraic codes constructions;
- Effective coding/decoding algorithms;
- Cryptographic algorithms;
- Cryptanalyses;
- Side-channel attacks;
- Security of AI.

Dr. Alla Levina
Guest Editor

Special Issue

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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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