

Special Issue

Trends in Cryptography and Information Security

Message from the Guest Editor

The impetuous development of information technology brings about security threats that affect organizations and individuals everywhere. Developments in quantum computing and advances in machine learning and artificial intelligence raise, on the one hand, questions about existing security techniques. On the other hand, they offer great potential to advance science and propose new, more secure techniques. This Special Issue, intended to be the first in a series of such issues, aims to bring together high-quality original contributions that focus on emerging cryptography and information security trends. Areas of interest include but are not restricted to:

- Cryptographic techniques originating from and addressing security aspects raised by modern technologies such as cloud, fog, IoT, blockchain, etc.;
- Post-quantum cryptography;
- Cryptographic protocols and algorithms and their security;
- Major applications of cryptography in securing communication;
- Techniques for protection against the unauthorized disclosure or modification of sensitive information or denial of service;
- Security policies: modeling, designing, and analyzing mechanisms for enforcing them.

Guest Editor

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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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