

# Special Issue

## Applied Cryptography and Information Security with Application

### Message from the Guest Editor

Flourishing techniques such as big data, IoT, 5G, and cloud computing are revolutionizing our lives. Along with rapid development of the new generation of information technology, security and privacy for multimedia data have caused great concern. How to protect multimedia data against unauthorized access, illegal usage, and malicious tampering is still a great challenge. Designing efficient, secure, and robust techniques, such as cryptosystems, steganography, watermarking, and so forth, becomes crucial for safeguarding the security of multimedia. Thus, it is pertinent to explore the applications of security techniques in the IoT, 5G, cloud computing, etc. The aim of this Special Issue is to collect papers that devise cryptographic algorithms, steganography, digital watermarking, hash functions and message authentication, digital signature technology, key management technology, and identity authentication technology and their application methods, such as those related to pre-quantum and post-quantum cryptography, IoT security, and cryptographic protocols and implementations.

### Guest Editor

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### Deadline for manuscript submissions

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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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### Editor-in-Chief

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