New Advances in Coding Theory and Cryptography, 2nd Edition

Guest Editors:

Prof. Dr. Liehuang Zhu
School of Cyberspace Science and Technology, Beijing Institute of Technology, Beijing 100081, China

Dr. Meng Li
School of Computer Science and Information Engineering, Hefei University of Technology, Anhui 230601, China

Dr. Zijian Zhang
School of Computer Science and Technology, Beijing Institute of Technology, Beijing 100081, China

Deadline for manuscript submissions:
31 August 2024

Message from the Guest Editors

Dear Colleagues,

Recent years have witnessed a proliferation of powerful coding and cryptographic algorithms, protocols, and systems which combine with promising technologies, including artificial intelligence, blockchain, cloud computing, digital twins, edge computing, etc. It is conducive for academic researchers and industry practitioners to exchange new ideas and discuss increasing technology convergence.

This Special Issue welcomes contributions from theory to practice and aims to publish high-quality and original research papers on various technologies for secure computing and communication. Topics include, but are not limited to, the following:

- Homomorphic encryption and attribute-based encryption;
- Zero knowledge proofs and secure multiparty computation;
- Authentication and key exchange;
- Lattice theory and its applications;
- Blockchain-based secure communication systems;
- Cloud security and privacy;
- Trustworthy digital twins in industrial IoT systems;
- Federated learning in edge computing;
- Vulnerabilities, attacks, and defenses;
- Privacy-preserving machine learning.

Special Issue

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.
Journal Rank: JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Contact Us