Special Issue

Exploring Advanced Post-Quantum Cryptography: Securing the Future

Message from the Guest Editors

This Special Issue aims to improve our understanding of the new era of quantum computing's impact on cryptographic systems, while exploring new methods, technologies, and theoretical frameworks that form the foundation of PQC. It also considers how quantum computing may be integrated into cryptographic designs, not only as a threat but potentially as a component of future secure systems. We invite original research articles, reviews, and case studies that address the evolving landscape of post-quantum cryptography. Submissions may include—but are not limited to—the following topics:

- Design and analysis of PQC ideas, methods, algorithms, and technologies, and other types of solutions.
- Improve related subjects related to PQC, such as performance, embedding blockchain, dual blockchain, and other assisting tools required for establishing a well-secured model to protect databases, communication traffic, and other data and information models.

Guest Editors

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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

Editor-in-Chief

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