Special Issue

Artificial Intelligence Algorithms in Information Security and Cryptography

Message from the Guest Editors

In the ever-evolving technological landscape, artificial intelligence (AI) has emerged as a revolutionary force, particularly within the realms of information security and cryptography. As cyber threats become increasingly sophisticated, traditional security measures are struggling to safeguard sensitive data and systems effectively. This Special Issue, entitled "Artificial Intelligence Algorithms in Information Security and Cryptography", delves into the cutting-edge integration of AI algorithms with information security and cryptographic practices. It aims to compile the latest research findings, practical applications, and theoretical foundations that underscore the synergistic relationship between AI algorithms and these two crucial fields. By doing so, it endeavors to provide a comprehensive understanding of how AI is reshaping information security and cryptography, and to inspire further innovative advancements.

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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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