

Special Issue

Emerging Applications of Artificial Intelligence Algorithms in Computer and Network Security

Message from the Guest Editors

The integration of artificial intelligence (AI) into computer and network security has opened new avenues for proactive and intelligent threat detection. AI algorithms such as machine learning are increasingly used for virus detection, malware detection, and intrusion detection, enabling systems to identify and respond to threats in real-time. In addition, AI enhances techniques such as steganalysis, helping uncover hidden data and prevent covert communication used in cyberattacks. These emerging applications not only strengthen computer and network security, but also offer scalable and adaptive solutions to combat evolving cyber threats in increasingly complex digital environments. This Special Issue focuses on applications of AI algorithms in computer and network security. Any research that combines AI algorithm and existing security technologies to improve computer and network security are welcome.

Guest Editors

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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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