



New Trends in Cryptography, Authentication and Information Security

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Message from the Guest Editors

Dear Colleagues,

Cyberspace's seamless integration of physical, social, and mental spaces has become an integral part of our society. However, there are several pressing challenges associated with cyberspace. Thus, we propose the Special Issue include, but not be limited to, the following themes:

- (1) Integration of AI and Machine Learning: leveraging artificial intelligence (AI) and machine learning techniques to improve the accuracy and efficiency of intrusion detection systems (IDS).
- (2) Big Data Analytics: discussing how the analytics tools can provide real-time or near-real-time insights into potential security breaches, enhancing the responsiveness of IDS.
- (3) Emerging Technologies: exploring the potential of emerging technologies like blockchain and quantum computing in revolutionizing IDS.
- (4) Federated Learning and Privacy Preservation: researching the novel approach that allows for collaborative model improvement without compromising data privacy.
- (5) Hybrid Models: developing and applying hybrid models that combine different methodologies, such as machine learning with rule-based systems.





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Message from the Editor-in-Chief

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