



Recent Advances in Chaotic Systems and Their Security Applications

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Deadline for manuscript
submissions:

closed (31 October 2021)

Message from the Guest Editors

Dear Colleagues,

Chaotic systems have long been integrated into security-related applications. Due to their deterministic nature, highly complex dynamics, and sensitivity to initial conditions and parameter changes, they constitute an efficient tool for masking information.

The aim of this Special Issue is to explore recent trends and developments in chaos-based encryption schemes. Contributions can address any type of chaotic system and all applications related to information masking and security. Review articles focused on specific applications or methods are also welcome.

Potential topics include but are not limited to the following:

- Continuous, discrete time, and fractional order chaotic systems;
- Different chaos synchronization and antisynchronization techniques;
- Chaotic systems with hidden attractors;
- Secure communications;
- Signal encryption;
- Random number generation;
- Entropy-based cryptography;
- Message authentication;
- Digital signature;
- Hardware implementations of encryption designs;
- Any other security-related engineering application.





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Editor-in-Chief

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Message from the Editor-in-Chief

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