



Chaos-Based Communication Systems

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Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

The application of chaotic systems in communications has been extensively explored over the last several decades. Chaotic systems are used as an efficient, deterministic high-entropy source that can mask information signals for safe transmission through public channels. They can also be used in relevant security related applications like watermarking and cryptography.

The aim of this Special Issue is to present recent developments in chaos-based communication systems. Contributions can address any type of chaotic system, and any relevant application. Novel methodologies and experimental implementations are welcome. Review articles are also invited.

Potential topics include but are not limited to the following:

- Chaos-based secure communications;
- Chaos-based modulation techniques;
- Chaos and cryptography;
- Chaotic optical communication systems;
- Data encryption;
- Nonlinear circuits for chaos-based communications;
- Statistical analysis and optimization of chaos-based communications;
- Synchronization and control of chaotic systems;
- Watermarking;
- 5G and next-generation chaos-based wireless communication.





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Message from the Editor-in-Chief

I would like to introduce the new, online, and open access journal *Telecom*. The purpose of *Telecom* is to publish high-quality research papers as well as review articles that address recent advances in communications technology. We invite researchers to contribute original papers describing applications and experiences in emerging trends of all fields of telecommunications engineering. *Telecom* also welcomes Special Issue proposals from academics and industrial researchers. We aim to facilitate more collaboration between scientists and engineers around the world, such that they will produce their innovative ideas and submit their cutting-edge technologies to *Telecom*. We anticipate the receipt of your contributions to *Telecom* (and) paid by authors or their institutions. We welcome your comments and ideas on how to improve this journal.

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