

Special Issue

Recent Advances in Chaotic Systems and Their Security Applications, 2nd edition

Message from the Guest Editors

The research on the applications of chaotic systems in security-related applications is active and constantly expanding. Researchers are using chaotic systems as a light source of pseudo-randomness in order to increase the complexity of a design, and protect it against adversaries. This refers to any situation where information must be kept or transmitted in a secure way.

The aim of this Special Issue is to advance the developments on security-related applications of chaotic systems. The topics span any research related to addressing the use of chaotic systems in information masking, encryption, cryptanalysis, secure communications, as well as hardware implementations of the above. Potential topics include the following:

- Continuous, discrete, fractional order, or quantum chaotic systems;
- Encryption of any type of data, like image, text, speech, or biomedical data;
- Random number generators;
- Watermarking;
- Compressed sensing;
- Secure communications;
- Any other security application in engineering and communications;
- Hardware implementations of the above.

Guest Editors

Dr. Christos Volos

Dr. Lazaros Moysis

Dr. Marcin Lawnik

Dr. Murilo da Silva Baptista

Deadline for manuscript submissions

closed (15 April 2024)



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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di
Torino, 10129 Torino, Italy

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