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Multimedia Data Security and Privacy Protection Based on Chaotic Systems and Compressive Sensing

Guest Editors:

Dr. Donghua Jiang

School of Computer Science and Engineering, Sun Yat-sen University, Guangzhou 510006, China

Dr. Jianhua Wu

School of Information Engineering, Nanchang University, Nanchang 330031, China

Prof. Dr. Yuguang Yang

College of Computer Science and Technology, Beijing University of Technology, Beijing 100124, China

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Message from the Guest Editors

Currently, chaos theory and compressive sensing technology both play a significant role in enhancing data security. The research on chaotic system modeling and its entropy analysis, compressed sampling technology, and its security application is increasing. In addition, the research in this area needs further exploration and innovation. Meanwhile, it is necessary to combine new computer technology and artificial intelligence methods to explore new methods for the security application of chaotic systems and compressive sensing. We very much welcome contributions centered around solving these problems.

This Special Issue aims to become a forum to introduce new and improved technologies of chaotic system modeling, entropy analysis, and compressed sampling. In particular, with the help of chaotic systems and compressive sensing, combined with new computer technology and artificial intelligence methods, proposing new multimedia data encryption and privacy protection schemes fall within the scope of this Special Issue.



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Special Issue



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Editor-in-Chief

Prof. Dr. Kevin H. Knuth

Department of Physics, University
at Albany, 1400 Washington
Avenue, Albany, NY 12222, USA

Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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Entropy Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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