



entropy



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Nonlinear Systems, Complex Dynamics, and Entropy in Electrical Engineering

Guest Editor:

Dr. Jiří Petržela

Department of Radio Electronics,
Faculty of Electrical Engineering
and Communication, Brno
University of Technology,
Technická 12, 616 00 Brno, Czech
Republic

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submissions:

closed (20 February 2024)

Message from the Guest Editor

This Special Issue welcomes all papers focused on the analysis of electronic systems from the perspective of complex and unpredictable behavior. Investigated circuits can be either autonomous or driven, either lumped or with spread parameters, having conventional structure or artificially designed to generate waveforms with entropic properties. This topic comprises the mathematical modeling of electronic systems, developing numerical methods for the analysis of dynamical systems and their verification through practical example, the critical evaluation of general mathematical issues in electronics, the computer-aided simulation of analog or digital functional blocks and associated behavioral quantification, the qualitative analysis of complex electronic systems, the application of known methods to unknown (unpublished) problems from electrical engineering, the improvement of commonly used models of electronic systems with respect to real measurement results, reports about discrepancies between simulation and measurement results in electronic systems, the modeling of nonlinear dynamics via electronic circuits, practical applications of chaotic circuits, etc.



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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

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

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