

1. Record Nr.	UNISA996418162303316
Titolo	Chaos and Complex Systems [[electronic resource]] : Proceedings of the 5th International Interdisciplinary Chaos Symposium // edited by Stavros G. Stavrinides, Mehmet Ozer
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-35441-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XV, 165 p. 89 illus., 56 illus. in color.)
Collana	Springer Proceedings in Complexity, , 2213-8684
Disciplina	003.857
Soggetti	Statistical physics Vibration Dynamical systems Dynamics Computational complexity Applications of Nonlinear Dynamics and Chaos Theory Vibration, Dynamical Systems, Control Statistical Physics and Dynamical Systems Complexity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1 - Determinism testing of low-dimensional signals embedded in high-dimensional multivariate time series -- Chapter 2 - CML-Tent model chaotic behavior with to the state and coupling parameterse respect -- Chapter 3 - Prediction of echo from noise signals by means of nonlinear transform of signal spectra.-Chapter 4 - Fractal functions and the dragon's mountain: a functional equations perspective -- Chapter 5 - Movement Characteristics of a Model with Circular Equilibrium -- Chapter 6 - Estimation of kernel function using the measured apparent earth resistivity -- Chapter 7 - Predictability and Entropy of Supercomputer Infrastructure Consumption -- Chapter 8 - Chaotic Approach Based Feature Extraction to Implement in Gait Analysis -- Chapter 9 - Characterization of cardiac cellelectrophysiology model using recurrence plots -- Chapter 10 -

Effects of age and illness to the complexity of human stabilogram -- Chapter 11 - Hybrid Memristor-CMOS Based Finite Impulse Response Filter Design -- Chapter 12 - Chaotic oscillator for LPWAN communication system -- Chapter 13 - Effects of control non-idealities on the nonlinear dynamics of switching DC-DC converters -- Chapter 14 - Complex network timeseries analysis of a macroeconomic model -- Chapter 15 - On Families of Solutions for Meta-Fibonacci Recursions Related to Hofstadter-Conway \$10000 Sequence -- Chapter 16 - Chaotic Solutions for Asset Management Complexity.

Sommario/riassunto

This book presents the proceedings of the “5th International Interdisciplinary Chaos Symposium on Chaos and Complex Systems (CCS).” All Symposia in the series bring together scientists, engineers, economists and social scientists, creating a vivid forum for discussions on the latest insights and findings obtained in the areas of complexity, nonlinear dynamics and chaos theory, as well as their interdisciplinary applications. The scope of the latest Symposium was enriched with a variety of contemporary, interdisciplinary topics, including but not limited to: fundamental theory of nonlinear dynamics, networks, circuits, systems, biology, evolution and ecology, fractals and pattern formation, nonlinear time series analysis, neural networks, sociophysics and econophysics, complexity management and global systems.
