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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-9047-2012

ScopusID: 7003311255

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Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği , Turkey 1996 - 2000

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği , Turkey 1994 - 1996

Undergraduate, Erciyes University, Mühendislik Fakültesi, Elektronik Mühendisliği , Turkey 1990 - 1994

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Karışık Modlu Yeni Bir Kaotik Devre Modeli Tasarımı ve Güvenilir Haberleşme Amaçlı Sistem Gerçekleştirilmesinde Kullanılması, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği , 2000

Postgraduate, Elektronik Devrelerdeki Kaos Olayının Bilgisayar Simülasyonları İle İncelenmesi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği , 1996

Research Areas

Electrical and Electronics Engineering, Electronic, Printed Circuits, Thin Film, Thick Film and Hybrid ICs, Circuit Theory, Electronic Circuits, MEMS, Semiconducting Materials and Devices, Engineering and Technology

Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2009 - Continues

Associate Professor, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2004 - 2009

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2001 - 2004

Research Assistant, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 1995 - 2000

Academic and Administrative Experience

Erciyes University, 2018 - Continues

Erciyes University, 2012 - Continues

Manager of Research and Application Center, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2020 - 2022

Chairman of the Scientific Award Committee, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2020 - 2022

Rektörlük Akademik Teşvik Değerlendirme Komisyonu Başkanı, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2018 - 2022

Vice Rector, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2018 - 2022

Head of Department, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2014 - 2020

Erciyes University, 2009 - 2016

Erciyes Üniversitesi, Mühendislik Fakültesi, 2012 - 2015

Erciyes Üniversitesi, Mühendislik Fakültesi, 2009 - 2015

Erciyes Üniversitesi, 2009 - 2012

Erciyes University, 2009 - 2012

Erciyes Üniversitesi, 2007 - 2010

Erciyes Üniversitesi, Elektrik-Elektronik Mühendisliği, 2005 - 2009

Erciyes University, 2005 - 2009

Courses

Çok Geniş Ölçekli Tümdevre Tasarımına Giriş, Doctorate, 2017 - 2018

Elektronik Devreler-II, Undergraduate, 2017 - 2018

Elektronik Devre Tasarımında Hibrid Yaklaşımlar, Doctorate, 2017 - 2018

Kaotik Sistemler ve Elektronik Devre Uygulamaları, Postgraduate, 2017 - 2018

Bilgisayar Destekli Devre Tasarımı, Undergraduate, 2017 - 2018

Elektronik Devre Donanımı ve Test Teknikleri, Undergraduate, 2017 - 2018

Elektronik Elemanlar, Undergraduate, 2017 - 2018

Analog Tümdevreler ve Mekatronik Sistem Uygulamaları, Postgraduate, 2017 - 2018

Mekatronik Sistem Tasarımında Elektronik Devre Simülatörleri, Postgraduate, 2017 - 2018

Elektronik Devreler-I, Undergraduate, 2017 - 2018

Lineer Olmayan Elektronik Devreler ve Kaos, Postgraduate, 2017 - 2018

Advising Theses

KILIÇ R., Kaos Tabanlı Kriptosistemlerin Kriptanalizleri ve Yeni Tasarım Yaklaşımları, Doctorate, İ.Öztürk(Student), Continues

KILIÇ R., MEMRİSTÖR TABANLI NÖROMORFİK MODELLEME ve NÖRONAL AĞ UYGULAMALARI, Doctorate, S.ARIK(Student), Continues

KILIÇ R., Nöromorfolojik Ağ Yapılarında Senkronizasyon ve Kontrol Uygulamaları İçin Alternatif Yaklaşımlar, Doctorate, Z.ÇİMEN(Student), Continues

KILIÇ R., Nöromorfolojik Merkezi Desen Üreteçlerinin Gerçekleştiriminde Alternatif Model ve Donanım Yaklaşımları, Doctorate, N.KORKMAZ(Student), 2018

KILIÇ R., YAPAY SİNİR AĞI VE FOTOMETRİK YÖNTEMLER İLE MADDE TANIMA SİSTEMİ TASARIMI, Postgraduate, E.Kürşat(Student), 2017

KILIÇ R., Memristör Tabanlı Nonlineer Sistem Uygulamaları, Postgraduate, S.Arik(Student), 2015

KILIÇ R., Programlanabilir Kaotik Sistem Tabanlı Rastgele Sayı Üreteçlerinin Tasarımı ve Gerçekleştirilmesi, Postgraduate, İ.Öztürk(Student), 2013

KILIÇ R., Biyolojik Nöron Modellerinin Elektronik Donanımlarının İncelenmesi, Postgraduate, N.DAHASERT(Student),

2012

KILIÇ R., Kaotik Sistem Tasarımında Programlanabilir Dizi Uygulamaları, Doctorate, F.Yıldırım(Student), 2011

KILIÇ R., Alan Programlanabilir Analog Dizi Tabanlı RFID Okuyucu Tasarımı, Postgraduate, M.YILMAZ(Student), 2009

KILIÇ R., Elektronik Deney Setleri İçin Uygulama ve Ölçüm Konsol Tasarımı, Postgraduate, F.Elmalı(Student), 2007

KILIÇ R., Mühendislik Lisans ve Lisansüstü Eğitim Programlarında Kaotik Devreler ve sistemlerin Araştırılmasına Dönük Elektronik Tabanlı Eğitim Setlerinin Tasarımı ve Gerçekleştirilmesi, Postgraduate, B.Karauz(Student), 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of Synchronization Control of the Memristive/Resistive-Coupled Neural Network with Noise Effect**
Abdalla O., BARAN A. Y., KORKMAZ N., KILIÇ R.
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.34, 2024 (SCI-Expanded)
- II. **A New Nonlinear Ion Drift Model of Memristor Element and its Versatile Analog Reconfigurable Realizations**
Randrianantenaina J. L., Baran A. Y., KORKMAZ N., KILIÇ R.
Journal of Circuits, Systems and Computers, vol.33, no.06, 2024 (SCI-Expanded)
- III. **New approach in synthetic biosignal generation for human-machine interface applications: FPAA based emulator İnsan-makine arayüz uygulamaları için sentetik biyosinyal üretiminde yeni yaklaşım: FPAA tabanlı emülatör**
Onursoy V., KILIÇ R.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.39, no.3, pp.1797-1813, 2024 (SCI-Expanded)
- IV. **Functional emulator designs for a memristor model with programmable analog and digital platforms**
Randrianantenaina J. L., BARAN A. Y., KORKMAZ N., KILIÇ R.
JOURNAL OF COMPUTATIONAL ELECTRONICS, vol.22, no.1, pp.519-530, 2023 (SCI-Expanded)
- V. **On addressing the similarities between STDP concept and synaptic/ memristive coupled neurons by realizing of the memristive synapse based HR neurons**
BARAN A. Y., KORKMAZ N., Ozturk I., KILIÇ R.
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.32, 2022 (SCI-Expanded)
- VI. **An extensive FPGA-based realization study about the Izhikevich neurons and their bio-inspired applications**
Karaca Z., KORKMAZ N., Altuncu Y., KILIÇ R.
NONLINEAR DYNAMICS, vol.105, no.4, pp.3529-3549, 2021 (SCI-Expanded)
- VII. **Utilizing true periodic orbits in chaos-based cryptography**
Ozturk I., KILIÇ R.
NONLINEAR DYNAMICS, vol.103, no.3, pp.2805-2818, 2021 (SCI-Expanded)
- VIII. **Evaluating the effectiveness of several synchronization control methods applying to the electrically and the chemically coupled hindmarsh-rose neurons**
Çimen Z., KORKMAZ N., Altuncu Y., KILIÇ R.
BioSystems, vol.198, 2020 (SCI-Expanded)
- IX. **Higher Dimensional Baker Map and its Digital Implementation With LSB-Extension Method**
Ozturk I., KILIÇ R.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS, vol.66, no.12, pp.4780-4792, 2019 (SCI-Expanded)
- X. **An Alternative Approach for Setting the Optimum Coupling Parameters Among the Neural Central Pattern Generators Considering the Amplitude and the Phase Error Calculations**
KORKMAZ N., KILIÇ R.
NEURAL PROCESSING LETTERS, vol.50, no.1, pp.645-667, 2019 (SCI-Expanded)
- XI. **Analysis and experimental verification of a new chaotic system with hyperbolic/non-hyperbolic**

equilibria

Ozturk I., KILIÇ R.

CHAOS SOLITONS & FRACTALS, vol.117, pp.183-191, 2018 (SCI-Expanded)

- XII. **Digitally generating true orbits of binary shift chaotic maps and their conjugates**
Ozturk I., KILIÇ R.
COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION, vol.62, pp.395-408, 2018 (SCI-Expanded)
- XIII. **A Comparative Study on Determining Nonlinear Function Parameters of the Izhikevich Neuron Model**
KORKMAZ N., Ozturk I., KALINLI A., KILIÇ R.
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.27, no.10, 2018 (SCI-Expanded)
- XIV. **Modeling, simulation, and implementation issues of CPGs for neuromorphic engineering applications**
KORKMAZ N., Ozturk I., KILIÇ R.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.26, no.4, pp.782-803, 2018 (SCI-Expanded)
- XV. **The investigation of chemical coupling in a HR neuron model with reconfigurable implementations**
KORKMAZ N., Ozturk I., KILIÇ R.
NONLINEAR DYNAMICS, vol.86, no.3, pp.1841-1854, 2016 (SCI-Expanded)
- XVI. **Multiple perspectives on the hardware implementations of biological neuron models and programmable design aspects**
KORKMAZ N., Ozturk I., KILIÇ R.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.3, pp.1729-1746, 2016 (SCI-Expanded)
- XVII. **A novel method for producing pseudo random numbers from differential equation-based chaotic systems**
Ozturk I., KILIÇ R.
NONLINEAR DYNAMICS, vol.80, no.3, pp.1147-1157, 2015 (SCI-Expanded)
- XVIII. **RECONFIGURABLE HARDWARE PLATFORM FOR EXPERIMENTAL TESTING AND VERIFYING OF MEMRISTOR-BASED CHAOTIC SYSTEMS**
ARIK S., KILIÇ R.
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.23, no.10, 2014 (SCI-Expanded)
- XIX. **Cycle Lengths and Correlation Properties of Finite Precision Chaotic Maps**
Ozturk I., KILIÇ R.
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.24, no.9, 2014 (SCI-Expanded)
- XX. **Implementations of Modified Chaotic Neural Models with Analog Reconfigurable Hardware**
KORKMAZ N., KILIÇ R.
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.24, no.4, 2014 (SCI-Expanded)
- XXI. **Experimental realizations of the HR neuron model with programmable hardware and synchronization applications**
Dahasert N., Ozturk I., KILIÇ R.
NONLINEAR DYNAMICS, vol.70, no.4, pp.2343-2358, 2012 (SCI-Expanded)
- XXII. **A NEW WAY OF GENERATING N-SCROLL ATTRACTORS VIA TRIGONOMETRIC FUNCTION**
GÜNAY E., KILIÇ R.
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.21, no.3, pp.897-901, 2011 (SCI-Expanded)
- XXIII. **Utilizing SIMULINK in Modeling and Simulation of Generalized Chaotic Systems With Multiple Nonlinear Functions**
KILIÇ R., Dalkiran F.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.18, no.4, pp.684-693, 2010 (SCI-Expanded)
- XXIV. **UNIVERSAL PROGRAMMABLE CHAOS GENERATOR: DESIGN AND IMPLEMENTATION ISSUES**
Kilic R.
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.20, no.2, pp.419-435, 2010 (SCI-Expanded)
- XXV. **Programmable design and implementation of a chaotic system utilizing multiple nonlinear functions**

KILIÇ R., Dalkiran F.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.18, no.4, pp.647-655, 2010
(SCI-Expanded)

XXVI. RECONFIGURABLE IMPLEMENTATIONS OF CHUA'S CIRCUIT

KILIÇ R., Dalkiran F.

INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.19, no.4, pp.1339-1350, 2009 (SCI-Expanded)

XXVII. A survey of Wien bridge-based chaotic oscillators: Design and experimental issues

Kilic R., Ydirim F.

CHAOS SOLITONS & FRACTALS, vol.38, no.5, pp.1394-1410, 2008 (SCI-Expanded)

XXVIII. Attractor gallery from a new higher dimensional chaotic circuit

Kilic R.

INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.18, no.1, pp.227-234, 2008 (SCI-Expanded)

XXIX. Chaos training boards: Versatile pedagogical tools for teaching chaotic circuits and systems

KILIÇ R., Karauz B.

INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION, vol.24, no.3, pp.634-644, 2008 (SCI-Expanded)

XXX. SC-CNN based multifunction signal generator

Kilic R.

INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.17, no.12, pp.4387-4393, 2007 (SCI-Expanded)

XXXI. Implementation of a laboratory tool for studying mixed-mode chaotic circuit

KILIÇ R., Karauz B.

INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.17, no.10, pp.3633-3638, 2007 (SCI-Expanded)

XXXII. Mixed-mode chaotic circuit with Wien-bridge configuration: The results of experimental verification

Kilic R.

CHAOS SOLITONS & FRACTALS, vol.32, no.3, pp.1188-1193, 2007 (SCI-Expanded)

XXXIII. Experimental observations of EMI effects in autonomous Chua's chaotic circuit

Kilic R., Saracoglu Ö. G., Yildirim F.

CHAOS SOLITONS & FRACTALS, vol.32, no.3, pp.1168-1177, 2007 (SCI-Expanded)

XXXIV. Experimental realizations of higher dimensional chaotic circuits including both floating and grounded inductors

Kilic R., Yildirim F.

INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.17, no.2, pp.607-616, 2007 (SCI-Expanded)

XXXV. Experimental study on impulsive synchronization between two modified Chua's circuits

Kilic R.

NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS, vol.7, no.5, pp.1298-1303, 2006 (SCI-Expanded)

XXXVI. Experimental modifications of VOA-based autonomous and nonautonomous Chua's circuits for higher dimensional operation

Kilic R.

INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.16, no.9, pp.2649-2658, 2006 (SCI-Expanded)

XXXVII. Experimental investigation of impulsive synchronization between two mixed-mode chaotic circuits

Kilic R.

INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.16, no.5, pp.1527-1536, 2006 (SCI-Expanded)

XXXVIII. A new nonautonomous version of Chua's circuit: Experimental observations

Kilic R., Saracoglu O., Yildirim F.

JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, vol.343, no.2, pp.191-203, 2006 (SCI-Expanded)

XXXIX. CFOA-Based Inductorless Mixed-Mode Chua's Circuits

KILIÇ R., YILDIRIM DALKIRAN F.

INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.16, pp.709-714, 2006 (SCI-Expanded)

XL. Current-Feedback Operational Amplifier-Based Inductorless Mixed-Mode Chua's Circuits

KILIÇ R., YILDIRIM DALKIRAN F.

International Journal Of Bifurcation And Chaos, 2006 (SCI-Expanded)

- XXI. Impulsive synchronization between two mixed-mode chaotic circuits**
Kilic R.
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.14, no.2, pp.333-346, 2005 (SCI-Expanded)
- XXII. Inductorless realization of nonautonomous MLC chaotic circuit using current-feedback operational amplifiers**
Çam U., KILIÇ R.
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.14, no.1, pp.99-107, 2005 (SCI-Expanded)
- XXIII. Experimental verification of high frequency performance of FTFN-based simple chaotic circuit**
Yildirim F., Uzunhisarcikli E., Kilic R., Alci M.
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.15, no.1, pp.191-205, 2005 (SCI-Expanded)
- XXIV. A Realization of SC CNN Based Circuit using FTFN**
GÜNAY E., UZUNHİSARCIKLI E., KILIÇ R., ALÇI M.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.13, no.1, pp.39-50, 2005 (SCI-Expanded)
- XXV. Two impulsive synchronization studies using SC-CNN-based circuit and Chua's circuit**
Kilic R., Alci M., Gunay E.
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.14, no.9, pp.3277-3293, 2004 (SCI-Expanded)
- XXVI. Experimental study of CFOA-based inductorless Chua's circuit**
Kilic R.
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.14, no.4, pp.1369-1374, 2004 (SCI-Expanded)
- XXVII. Chaos synchronization in SC-CNN-based circuit and an interesting investigation: Can a SC-CNN-based circuit behave synchronously with the original Chua's circuit?**
Kilic R.
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.14, no.3, pp.1071-1083, 2004 (SCI-Expanded)
- XXVIII. A harmony of linear and nonlinear oscillations: Wien bridge-based mixed-mode chaotic circuit**
Kilic R.
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.13, no.1, pp.137-149, 2004 (SCI-Expanded)
- XXIX. Realization of inductorless chua's circuit using FTFN-based nonlinear resistor and inductance simulator**
Kilic R., Çam U., Kuntman H., Uzunhisarcikli E.
FREQUENZ, vol.58, pp.37-40, 2004 (SCI-Expanded)
- L. A SC-CNN-based chaotic masking system with feedback**
Kilic R., Alci M., Gunay E.
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.14, no.1, pp.245-256, 2004 (SCI-Expanded)
- LI. A comparative study on realization of Chua's circuit: Hybrid realizations of Chua's circuit combining the circuit topologies proposed for Chua's diode and inductor elements**
Kilic R.
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.13, no.6, pp.1475-1493, 2003 (SCI-Expanded)
- LII. On CFOA-Based Realizations of Chua's Circuit**
KILIÇ R.
CIRCUITS SYSTEMS AND SIGNAL PROCESSING, vol.22, pp.475-491, 2003 (SCI-Expanded)
- LIII. A simple CMOS-based membership function circuit**
Tokmakci M., Alci M., Kilic R.
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, vol.32, no.1, pp.83-88, 2002 (SCI-Expanded)
- LIV. Improved realization of mixed-mode chaotic circuit**
Kilic R., Alci M., ÇAM U., KUNTMAN H.
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.12, no.6, pp.1429-1435, 2002 (SCI-Expanded)
- LV. Mixed-mode chaotic circuit and its application to chaotic communication for transmission of analog signals**
Kilic R., Alci M.
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.11, no.2, pp.571-581, 2001 (SCI-Expanded)
- LVI. Mixed-mode chaotic circuit**

Kilic R., Alci M., Tokmakci M.

ELECTRONICS LETTERS, vol.36, no.2, pp.103-104, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. **Synchronization of electrically and chemically coupled ızhikevich neuron model via backstepping control method**
ÇİMEN Z., KORKMAZ N., Kilic R.
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.12, no.4, pp.1581-1587, 2023 (Peer-Reviewed Journal)
- II. **Utilization of Machine Learning Methods in Substance Recognition Systems**
Dal E. K., Kılıç R.
Journal of Computer Science, no.IDAP-2023, pp.198-205, 2023 (Peer-Reviewed Journal)
- III. **Tukey pencere fonksiyonu ile tasarlanan memristör elemanının FPAA tabanlı gerçekleştirimi**
Randrianantenaina J. L., Baran A. Y., Korkmaz N., Kılıç R.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.38, no.3, pp.525-535, 2022 (Peer-Reviewed Journal)
- IV. **Experimenting Chaos with Chaotic Training Boards**
KILIÇ R., KORKMAZ N.
CMSIM An International Journal of Nonlinear Science, 2016 (Peer-Reviewed Journal)
- V. **Güvenilir Haberleşme Sistem Tasarımında Kaotik Devre ve Dinamiklerin Kullanılması, , 2004**
KILIÇ R.
KARA HARP OKULU BİLİM DERGİSİ, vol.14, pp.91-101, 2004 (Peer-Reviewed Journal)
- VI. **Design and analysis of the mixed-mode chaotic circuit**
KILIÇ R., ALÇI M.
International Conference on Control of Oscillations and Chaos, Proceedings, no.1, pp.158-159, 2000 (Scopus)

Books & Book Chapters

- I. **A Practical Guide For Studying Chua's Circuits**
KILIÇ R.
World Scientific Publishing , Singapur, 2010
- II. **Elektronik Devreler ve Uygulamaları-I**
ALÇI M., KILIÇ R.
Erciyes Üniversitesi Yayınları, Kayseri, 1998

Refereed Congress / Symposium Publications in Proceedings

- I. **FPGA-based implementation of the memristor element designed with the Prodromakis window function**
Baran A. Y., Randrianantenaina J. L., Korkmaz N., Kılıç R.
IV. International Turkic World Congress on Science and Engineering (TURK-COSE 2022), Niğde, Turkey, 23 - 24 June 2022, pp.1-6
- II. **Coupling the FitzHugh-Nagumo Neuron Model with Memristive Synapse Structure in Neuromorphic Systems Nöromorfik Sistemlerde FitzHugh-Nagumo Nöron Modelinin Memristif Sinaps Yapisi ile Kuplajlanması**
BARAN A. Y., Korkmaz N., KILIÇ R.
2021 Innovations in Intelligent Systems and Applications Conference, ASYU 2021, Elazığ, Turkey, 6 - 08 October 2021

- III. **A New Pseudo Random Number Generator Based On Chebyshev Maps And Parameter Switching**
ÖZTÜRK İ., KILIÇ R.
6th International Conference on Control Engineering Information Technology, İstanbul, Turkey, 25 - 27 October 2018
- IV. **The Identification of the Error Values Between the Coupled Synchronous FHN Neurons by Using Two Different Controllers**
Çimen Z., Korkmaz N., Altuncu Y., Kılıç R.
Elektrik, Elektronik ve Biyomedikal Mühendisliği Konferansı, ELECO 2018, Bursa, Turkey, 30 November - 01 December 2018, pp.47-51
- V. **Hardware Verification: Determining the Parameters of the Modified Izhikevich Neuron Model with Genetic Algorithm**
KORKMAZ N., Ozturk I., KALINLI A., KILIÇ R.
10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.588-592
- VI. **Design and Implementation of Artificial Neural Network Supported Photometric System for Recognizing Substances**
Dal E. K., KILIÇ R.
International Advanced Researches & Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017, pp.1177
- VII. **Parameter Estimations for the Modified Izhikevich Neuron Model with Optimization Methods**
KORKMAZ N., KILIÇ R., KALINLI A., ÖZTÜRK İ.
10th Chaotic Modeling and Simulation International Conference, Barselona, Spain, 30 May - 02 June 2017, pp.70
- VIII. **A Comparative Study on Experimental Realizations of Multiscroll Chaos Generators**
KILIÇ R., KORKMAZ N., ÖZTÜRK İ.
The 9th Chaotic Modeling and Simulation International Conference, Londra, United Kingdom, 23 - 26 May 2016, pp.51
- IX. **Kiliç R Korkmaz N Experimenting Chaos with Chaotic Training Boards Paris FRANSA 26 29 Mayıs 2015 pp 59 59**
KILIÇ R., KORKMAZ N.
CHAOS2015, 8th Chaotic Modeling and Simulation International Conference, 26 - 29 May 2015
- X. **Experimenting chaos with chaotic training boards**
KILIÇ R., KORKMAZ N.
8th International Conference on Chaotic Modeling and Simulation, CHAOS 2015, Paris, France, 26 - 29 May 2015, pp.379-392
- XI. **Reconfigurable Implementations of PWL-Based Multiscroll Chaos Generator**
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