

Asst. Prof. Zehra Gülrü ÇAM TAŞKIRAN

Personal Information

Email: zgcam@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/zgcam>

Education Information

Doctorate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Elektronik Ve Haberleşme Mühendisliği, Turkey 2013 - 2018

Post Graduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği, Turkey 2011 - 2013

Under Graduate, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği, Turkey 2006 - 2011

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Electrical and Electronics Engineering, Electronic, Circuit Theory, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Yıldız Teknik Üniversitesi, Elektrik Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği, 2018 - Continues

Research Assistant PhD, Yıldız Teknik Üniversitesi, Faculty of Electrical & Electronics, Elektronik Ve Haberleşme, 2018 - 2018

Research Assistant, Yıldız Teknik Üniversitesi, Faculty of Electrical & Electronics, Elektronik Ve Haberleşme Mühendisliği, 2013 - 2018

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **A New PID Controller Circuit Design Using CFOAs**
ÇAM TAŞKIRAN Z. G. , SEDEF H., Anday F.
CIRCUITS SYSTEMS AND SIGNAL PROCESSING, 2020 (Journal Indexed in SCI)
- II. **Application and Modeling of a Novel 4D Memristive Chaotic System for Communication Systems**
ŞAHİN M. E. , ÇAM TAŞKIRAN Z. G. , GÜLER H., HAMAMCI S. E.
CIRCUITS SYSTEMS AND SIGNAL PROCESSING, vol.39, pp.3320-3349, 2020 (Journal Indexed in SCI)
- III. **A new universal mutator circuit for memcapacitor and meminductor elements**
ÇAM TAŞKIRAN Z. G. , Sagbas M., AYTEN U. E. , SEDEF H.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.119, 2020 (Journal Indexed in SCI)
- IV. **Realization of memristor-based chaotic rossler circuit**

Taskiran Z. G. , SEDEF H.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, pp.765-774, 2020 (Journal Indexed in SCI)

- V. **A novel memristive true random number generator design**
Çam Z. G. , Taşkıran M., Killoğlu M., Kahraman N., Sedef H.
COMPEL-THE INTERNATIONAL JOURNAL FOR COMPUTATION AND MATHEMATICS IN ELECTRICAL AND ELECTRONIC ENGINEERING, vol.38, no.6, pp.1931-1947, 2019 (Journal Indexed in SCI)
- VI. **Simulation and implementation of memristive chaotic system and its application for communication systems**
Sahin M. E. , Taskiran Z. G. , Guler H., HAMAMCI S. E.
SENSORS AND ACTUATORS A-PHYSICAL, vol.290, pp.107-118, 2019 (Journal Indexed in SCI)
- VII. **Dual-Output Operational Transconductance Amplifier-Based Electronically Controllable Memristance Simulator Circuit**
Taskiran Z. G. , Ayten U. E. , Sedef H.
CIRCUITS SYSTEMS AND SIGNAL PROCESSING, vol.38, pp.26-40, 2019 (Journal Indexed in SCI)
- VIII. **Voltage Differencing Gain Amplifier-Based nth-Order Low-Pass Voltage-Mode Filter**
Taskiran Z. G. , SEDEF H., Anday F.
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.27, 2018 (Journal Indexed in SCI)
- IX. **Novel Feature Extraction Methodology with Evaluation in Artificial Neural Networks Based Fingerprint Recognition System**
KAHRAMAN N., ÇAM TAŞKIRAN Z. G. , TAŞKIRAN M.
TEHNICKI VJESNIK-TECHNICAL GAZETTE, vol.25, pp.112-119, 2018 (Journal Indexed in SCI)
- X. **A New Floating Memristance Simulator Circuit Based on Second Generation Current Conveyor**
Çam Z. G. , Sedef H.
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.26, 2017 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Second Generation Current Conveyor Based Floating FractionalOrder Memristance Simulator and a New Dynamical System**
Çam Taşkıran Z. G. , Taşkıran M.
CYBERNETICS AND INFORMATION TECHNOLOGIES, vol.20, pp.68-80, 2020 (Journal Indexed in ESCI)
- II. **THE NOVEL METHOD FOR RECOGNITION OF AMERICAN SIGN LANGUAGE WITH RING PROJECTION AND DISCRETE WAVELET TRANSFORM**
TAŞKIRAN M., ÇİMEN S., ÇAM Z. G.
World Journal of Engineering Research and Technology, vol.4, pp.1-10, 2018 (Refereed Journals of Other Institutions)
- III. **A NEW CHAOTIC ATTRACTOR FOR RANDOM NUMBER GENERATION BASED ON MEMRISTIVE CIRCUIT**
Çam Z. G. , Taşkıran M., Kahraman N., Sedef H.
World Journal Of Engineering Research and Technology, vol.4, pp.1-10, 2018 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **A New Fractional Order Memristance Simulator Circuit Design**
ÇAM Z. G. , TAŞKIRAN M.
2019 IEEE International Symposium on INnovations in Intelligent SysTems and Applications (INISTA), Sofia, Bulgaria, 3 - 05 July 2019
- II. **Chaotic Lorenz Synchronization Circuit Design for Secure Communication**

Deniz H. İ. , ÇAM Z. G. , SEDEF H.

IEEE 6th International Conference on Control Engineering Information Technology CEIT2018, İstanbul, Turkey, 25 - 27 October 2018

- III. **An Analog Chaotic Lorenz Circuit Based on CCII and Multiplier**
Deniz H. İ. , ÇAM Z. G. , SEDEF H.
2018 41st International Conference on Telecommunications and Signal Processing (TSP), Athens, Greece, 4 - 06 July 2018
- IV. **Wrist vein recognition by ordinary camera using Phase-Based correspondence matching**
NİYAZ Ö., ÇAM Z. G. , YILDIRIM T.
2017 IASTED International Conference on Modelling, Identification and Control, MIC 2017, Innsbruck, Austria, 20 - 21 February 2017, vol.848, pp.89-93
- V. **Offline Signature Identification via HOG Features and Artificial Neural Networks**
TAŞKIRAN M., Cam Z. G.
15th IEEE International Symposium on Applied Machine Intelligence and Informatics (SAMI), Herlany, Slovakia, 26 - 28 January 2017, pp.83-86
- VI. **Generalized regression neural network based efficient memristor modeling**
Cam Z. G. , Cimen S., SEDEF H.
10th International Conference on Intelligent Systems and Control, ISCO 2016, Coimbatore, India, 7 - 08 January 2016
- VII. **An Efficient Method to Optimize Multi-Layer Perceptron for Classification of Human Activities**
TAŞKIRAN M., ÇAM Z. G. , KAHRAMAN N.
2nd International Conference on Computer, Control and Communication Technologies (CCCT'15), 3 - 04 December 2015, vol.2
- VIII. **Çok Katmanlı Algılayıcı Ağının Eğitim Parametrelerinin Yapay Arı Kolonisi ve Genetik Algoritma ile Optimizasyonu**
ÇAM Z. G. , Kartcı A., YILDIRIM T.
Akıllı Sistemlerde Yenilikler ve Uygulamaları (ASYU) Sempozyumu, İzmir, Turkey, 9 - 10 October 2014, pp.73-76
- IX. **Learning Parameter Optimization of Multi-Layer Perceptron Using Artificial Bee Colony, Genetic Algorithm and Particle Swarm Optimization**
Çam Z. G. , Cimen S., Yıldırım T.
IEEE 13th International Symposium on Applied Machine Intelligence and Informatics (SAMI), Herl'any, Slovakia, 22 - 24 January 2015, pp.329-332
- X. **Input and output matched SiGe RF mixer with high dynamic range**
ÇAM Z. G. , PALAMUTÇUOĞULLARI O.
2013 8th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30 November 2013
- XI. **Input and output matched SiGe RF Mixer with High Dynamic Range**
ÇAM Z. G. , PALAMUTÇUOĞULLARI O.
Microwave Symposium (MMS), 2013 13th Mediterranean, 2 - 05 September 2013
- XII. **Simultaneously matched SiGe transistor RF mixer with high dynamic range**
ÇAM Z. G. , PALAMUTÇUOĞULLARI O.
2013 21st Signal Processing and Communications Applications Conference (SIU), Haspolat, Turkey, 24 - 26 April 2013
- XIII. **High Gain, Linear, Low Cost Digitally Controlled VHF-UHF Analog Transponder for Nano Satellites**
Ceylan O., Ozen O. E. , Canbey H. H. , Cam Z. G. , Yağcı H. B.
3rd Asia-Pacific Microwave Conference Proceedings (APMC), Seoul, South Korea, 5 - 08 November 2013, pp.1027-1029

Citations

Total Citations (WOS):52

h-index (WOS):3