

Res. Asst. Ismail ÖZTÜRK

Personal Information

Office Phone: +90 352 207 6666 Extension: 32237

Email: ismailozturk@erciyes.edu.tr

Web: <https://avesis.erciyes.edu.tr/ismailozturk/>

Education Information

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Elektrik Elektronik Mühendisliği Anabilimdalı, Turkey 2011 - 2013

Undergraduate, Erciyes University, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği Bölümü, Turkey 2007 - 2011

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Technical Sciences, Electrical and Electronics Engineering, Electronic, Electronic Circuits

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)
- VI. **Experimental realizations of the HR neuron model with programmable hardware and synchronization applications**

Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **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
- III. **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
- IV. **Reconfigurable Implementations of PWL-Based Multiscroll Chaos Generator**
ARIK S., KORKMAZ N., Ozturk I., KILIÇ R., GÜNAY E.
8th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30 November 2013, pp.604-608
- V. **Izhikevich nöron modelinin alan programlanabilir elemanlarla gerçekleştirimi**
DAHASERT N., ÖZTÜRK İ., KILIÇ R.
SİU2012-20. IEEE Sinyal İşleme ve Uygulamaları Kurultayı, Antalya, Turkey, 1 - 04 January 2012
- VI. **Merkezi Desen Üreteçleri için Donanımsal Çözümler**
GÜNAY E., KILIÇ R., DAHASERT N., ÖZTÜRK İ.
ELECO 2012-ELEKTRİK - ELEKTRONİK ve BİLGİSAYAR MÜHENDİSLİĞİ SEMPOZYUMU, Bursa, Turkey, 1 - 04 January 2012, pp.332-335

Metrics

Publication: 12

Citation (WoS): 136

Citation (Scopus): 30

H-Index (WoS): 5

H-Index (Scopus): 2