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Personal Information

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Education Information

Doctorate, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, Turkey 2022 - Continues

Postgraduate, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, Turkey 2020 - 2022

Postgraduate, Iskenderun Technical University, Institute Of Engineering And Natural Sciences, Electrical and Electronics Engineering, Turkey 2019 - 2020

Postgraduate, Abdullah Gul University, Fen Bilimleri Enstitüsü, Electrical and Computer Engineering, Turkey 2018 - 2019

Undergraduate, Abdullah Gul University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey 2013 - 2018

Research Areas

Electronic, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2020 - Continues

Research Assistant, Iskenderun Technical University, Faculty Of Engineering And Natural Sciences, Department Of Electrical And Electronic Engineering, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Model reduction of dynamical systems with a novel data-driven approach: The RC-HAVOK algorithm**
Yılmaz Bingöl G., Soysal O. A., Günay E.
CHAOS, vol.34, no.8, pp.831431-8314318, 2024 (SCI-Expanded)
- II. **Dynamical study of a novel 4D hyperchaotic system: An integer and fractional order analysis**
Iskakova K., Alam M. M., Ahmad S., Saifullah S., Akgül A., YILMAZ G.
Mathematics and Computers in Simulation, vol.208, pp.219-245, 2023 (SCI-Expanded)
- III. **Synchronization of hyperchaotic Wang-Liu system with experimental implementation on FPAAs and FPGAs**
Yılmaz G., Altun K., Günay E.
Analog Integrated Circuits and Signal Processing, vol.113, no.2, pp.145-161, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **FRACTIONAL ORDER ANALYSIS OF THE 4-DIMENSIONAL HYPERCHAOTIC PANG SYSTEM AND ITS ADAPTIVE SYNCHRONIZATION**

Yılmaz Bingöl G., Günay E.

Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.29, no.1, pp.85-100, 2024 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Modeling the Sprott E Chaotic System with HAVOK Analysis Sprott E Kaotik Sisteminin HAVOK Analizi ile Modellenmesi**

SOYSAL O. A., Bingöl G., GÜNAY E.

32nd IEEE Conference on Signal Processing and Communications Applications, SIU 2024, Mersin, Turkey, 15 - 18 May 2024

- II. **Time Series Prediction of Chaotic Chen System with Reservoir Computing**

Yılmaz G., Günay E.

ELEKTRİK-ELEKTRONİK ve BİYOMEDİKAL MÜHENDİSLİĞİ KONFERANSI, Bursa, Turkey, 24 - 26 November 2022, pp.1-4

- III. **Fractional Order Dynamical Analysis of the 4-Dimensional Pang System and Generating Hyperchaotic Structure**

Yılmaz G., Günay E.

ELEKTRİK-ELEKTRONİK ve BİYOMEDİKAL MÜHENDİSLİĞİ KONFERANSI, Bursa, Turkey, 24 - 26 November 2022, pp.1-4

- IV. **Analysis Methods and FPAA Implementation of Hyperchaotic Systems**

Yılmaz G., Günay E.

International Conference on Applied Mathematics in Engineering (ICAME), Balıkesir, Turkey, 1 - 03 September 2021, pp.159-165

- V. **FPAA Implementation of Wang-Liu System**

YILMAZ G., GÜNAY E.

13th International Conference on Electrical and Electronics Engineering, ELECO 2021, Virtual, Bursa, Turkey, 25 - 27 November 2021, pp.167-171

Metrics

Publication: 9

Citation (WoS): 11

Citation (Scopus): 14

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