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Education Information

Doctorate, Istanbul Technical University, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, Turkey 2017 - Continues
Postgraduate, Istanbul Technical University, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, Turkey 2014 - 2017
Undergraduate, Istanbul Technical University, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, Turkey 2008 - 2014

Foreign Languages

Italian, A1 Beginner
English, C1 Advanced

Dissertations

Postgraduate, OTOMATİK KONTROL SİSTEMLERİ İÇİN KAZANCI AYARLANABİLEN KUVVETLENDİRİCİ TASARIMI, Istanbul Technical University, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, 2017

Research Areas

Electrical and Electronics Engineering, Electronic, Sensing Devices and Transducers, Electronic Circuits, Microwave Circuits, Nanotechnology, Optics and Photonics

Published journal articles indexed by SCI, SSCI, and AHCI

I. **A switchable DC offset cancellation circuit for time-based degradation correction**
Erol D., Güngördü A. D., Dundar G., Yelten M. B.
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, vol.106, no.3, pp.485-491, 2021 (SCI-Expanded)

II. **An Automated Setup for the Characterization of Time-Based Degradation Effects Including the**

Process Variability in 40-nm CMOS Transistors
Xhafa X., Güngördü A. D., Erol D., Yavuz Y., Yelten M. B.
IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol.70, 2021 (SCI-Expanded)

III. **Design of a constant-bandwidth variable-gain amplifier for LTE receivers**
Güngördü A. D., Tarim N.
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, vol.97, no.1, pp.27-38, 2018 (SCI-Expanded)

IV. **Low input resistance current buffer stage using a controllable positive feedback loop, and applications of current conveyor based filters**
Güngördü A. D., Altun M., Çevik İ.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.82, pp.58-65, 2017 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **40 nm CMOS Sureci Transistörlerinin Akım-Gerilim Karakteristiklerinin Oda Sıcaklığında ve Kriyojenik Koşullarda İncelenmesi**
Gencer F. B., İLİK S., GÜNGÖRDÜ A. D., Xhafa X., YELTEN M. B.
ELEKTRİK-ELEKTRONİK ve BİYOMEDİKAL MÜHENDİSLİĞİ KONFERANSI (ELECO), Bursa, Turkey, 24 - 26 November 2022

II. **A Noise-Canceling TIA Topology Compatible With Large-Area Photodetectors in 40 nm CMOS Process**
GÜNGÖRDÜ A. D., YELTEN M. B.
IEEE 65th International Midwest Symposium on Circuits and Systems (MWSCAS), Fukuoka, Japan, 7 - 10 August 2022, pp.1-4

III. **Ultra Low Power Transimpedance Amplifier Design for Receivers with Large-Area Photodetectors**
GÜNGÖRDÜ A. D., YELTEN M. B.
2021 13th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 25 - 27 November 2021, pp.98-101

IV. **A Phase Error Correction Algorithm for RF Energy Harvesters Using Two Antennas**
GÜNGÖRDÜ A. D., EROL D., ÇAĞLAR A., YELTEN M. B.
International Conference on Synthesis, Modeling, Analysis and Simulation Methods, and Applications to Circuit Design, Erfurt, Germany, 19 - 21 July 2021, pp.100-103

V. **A High Performance TIA Design in 40 nm CMOS**
GÜNGÖRDÜ A. D., DÜNDAR G., YELTEN M. B.
2020 IEEE International Symposium on Circuits and Systems (ISCAS), Sevilla, Spain, 12 - 14 October 2020

VI. **An Offset Cancellation Set-up for Amplifiers Subject to Aging**
Erol D., GÜNGÖRDÜ A. D., DÜNDAR G., YELTEN M. B.
11th International Conference on Electrical and Electronics Engineering, 28 - 30 November 2019

VII. **Analog Neural Network based on Memristor Crossbar Arrays**
Yıldız H. K., Altun M., Güngördü A. D., Stan M. R.
11th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30 November 2019, pp.358-361

VIII. **A Novel CMOS Constant-Bandwidth Variable-Gain Amplifier for WiMAX Receivers**
Güngördü A. D., Tarim N.
10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.481-484

Supported Projects

Yelten M. B., Karabulut Kurt G. Z., Güngördü A. D., Project Supported by Higher Education Institutions, Kablosuz Enerji

Hasatlaması İçin Tümleşik Devre Çözümleri, 2018 - 2021

Metrics

Publication: 14
Citation (WoS): 8
Citation (Scopus): 15
H-Index (WoS): 2
H-Index (Scopus): 2