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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği Anabilim Dalı, Türkiye 1995 - 2000

Yüksek Lisans, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği Anabilim Dalı, Türkiye 1991 - 1993

Lisans, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, Türkiye 1987 - 1991

Yabancı Diller

İngilizce

Yaptığı Tezler

Doktora, Akım taşıyıcı kullanan devrelerin gerçekleştirilmesinde yeni yöntemler ve sonuçlar, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği Anabilim Dalı, 2000

Yüksek Lisans, Akım taşıyıcı kullanarak akım transfer fonksiyonu sentezi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği Anabilim Dalı, 1993

Araştırma Alanları

Teknik Bilimler, Elektrik-Elektronik Mühendisliği, Elektronik

Akademik Unvanlar / Görevler

Prof.Dr., İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2009

- Devam Ediyor

Doç.Dr., İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2003 - 2009

Yrd.Doç.Dr., İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü,

Akademik İdari Deneyim

İstanbul Teknik Üniversitesi, Elektrik-Elektronik, 2017 - Devam Ediyor

İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2012 - 2013

İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, 2010 - 2011

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Broadband performance assessment of a microwave power transistor employing the real frequency technique**
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- II. **Overview of evolutionary algorithms and neural networks for modern mobile communication**
Kouhalvandi L., Shayea I., Ozoguz S., Mohamad H.
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- III. **Multi-Tone Harmonic Balance Optimization for High-Power Amplifiers through Coarse and Fine Models Based on X-Parameters**
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SENSORS, cilt.22, sa.11, 2022 (SCI-Expanded)
- IV. **A GaN Microwave Power Amplifier Design Based on the Source/Load Pull Impedance Modeling via Virtual Gain Optimization**
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- V. **MOS-only implementation of memristor emulator circuit**
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- VI. **Automated top-down pruning optimization approach in RF power amplifier designs**
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- VII. **Optimization techniques for analog and RF circuit designs: an overview**
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- VIII. **Guest editorial: introduction to the special issue on selected papers from the ELECO'2019 conference**
Ozoguz S., Cicekoglu O., Kuntman H. H.
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- IX. **Automated Deep Neural Learning-Based Optimization for High Performance High Power Amplifier Designs**
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- X. **Emulation of a constant phase element by utilizing a lattice structure based fractional-order differentiator**
Rezazadehshabilouyoliya V., Atasoyu M., Ozoguz S.
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- XI. **Sensing schemes for STT-MRAMs structured with high TMR in low RA MTJs**

- Atasoyu M., Altun M., Ozoguz S.
 MICROELECTRONICS JOURNAL, cilt.89, ss.30-36, 2019 (SCI-Expanded)
- XII. **Wide range high precision CMOS exponential circuit based on linear least squares approach**
 Naderi Saatlo A., Ozoguz S.
 Radioengineering, cilt.27, sa.4, ss.1092-1099, 2018 (SCI-Expanded)
- XIII. **A class of MOSFET-C multifunction filters**
 Metin B., Cicekoglu O., Ozoguz S.
 Analog Integrated Circuits and Signal Processing, cilt.97, sa.1, ss.5-13, 2018 (SCI-Expanded)
- XIV. **Introduction to the special issue on selected papers from the ELECO'2017 conference**
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- XV. **AN ADC BASED RANDOM BIT GENERATOR BASED ON A DOUBLE SCROLL CHAOTIC CIRCUIT**
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- XVI. **Sinusoidal oscillators with lower gain requirements at higher frequencies based on an explicit tanh(x) nonlinearity**
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- XVII. **Truly random number generators based on non-autonomous continuous-time chaos**
 Ergun S., Ozoguz S.
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- XVIII. **Multiscroll chaotic attractors from a hysteresis based time-delay differential equation**
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- XIX. **Experimental verification of rank 1 chaos in switch-controlled Chua circuit**
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- XXII. **N -scroll chaotic attractors from a first-order time-delay differential equation**
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- XXIV. **Cross-coupled chaotic oscillators and application to random bit generation**
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- XXV. **Multiscroll chaotic oscillators: The nonautonomous approach**
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- XXVI. **On the generation of higher order chaotic oscillators via passive coupling of two identical or nonidentical sinusoidal oscillators**
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- IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS, cilt.53, sa.7, ss.1521-1532, 2006 (SCI-Expanded)
- XXVII. Novel approximate square-root domain all-pass filter with application to multiphase oscillators**
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- XXIX. On the realization of circuit-independent nonautonomous pulse-excited chaotic oscillator circuits**
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- XXX. Linearly tunable transconductor using modified CDBA**
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- XXXI. n-scroll chaos generators: A simple circuit model**
Yalcin M. E., OZOGUZ S., SUYKENS J., VANDEWALLE J.
Electronics Letters, cilt.37, sa.3, ss.147-149, 2001 (SCI-Expanded)
- XXXII. Integrable current-mode filter realisation using dual-output current conveyors for low-frequency operation**
Toker A., Ozoguz S.
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- XXXIII. Insensitive current-mode universal filter with low component spread using dual-output current conveyors**
Güneş E. O., Özoğuz S., Toker A.
AEU-Archiv fur Elektronik und Übertragungstechnik, cilt.54, sa.2, ss.127-132, 2000 (SCI-Expanded)
- XXXIV. CDBA-based fully-integrated gyrator circuit suitable for electronically tunable inductance simulation**
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- XXXV. A new current mode multifunction filter with minimum components using dual output current conveyors**
Özoğuz İ. S.
IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS COMMUNICATIONS AND COMPUTER SCIENCES, cilt.83, sa.11, ss.2382-2384, 2000 (SCI-Expanded)
- XXXVI. Current-mode all-pass filters using current differencing buffered amplifier and a new high-Q bandpass filter configuration**
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- XXXVII. First-order allpass sections-based current-mode universal filter using ICCIIs**
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- XXXVIII. Insensitive current-mode universal filter using dual output current conveyors**
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- XXXIX. N-th-order voltage transfer function synthesis using a commercially available active component, CFA: Signal-flow graph approach**
Acar C., Özoğuz S.
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- XL. nth-order current transfer function synthesis using current differencing buffered amplifier: signal-**

- flow graph approach**
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- XLII. Current-mode KHN-equivalent biquad using CDBAs**
- Toker A., Ozoguz S., ACAR C.
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- XLIII. Insensitive current-mode universal filter with minimum components using dual-output current conveyors**
- Gunes E. O., Toker A., Ozoguz S.
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- XLIV. New current-mode universal filters using only four (CCII+)**s
- Ozoguz S., TOKER A., CICEKOGLU O.
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- XLV. A new versatile building block: current differencing buffered amplifier suitable for analog signal-processing filters**
- Acar C., Ozoguz S.
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- XLVI. Current-mode continuous-time fully-integrated universal filter using CDBAs**
- Özoğuz S., Toker A., Acar C.
Electronics Letters, cilt.35, sa.2, ss.97-98, 1999 (SCI-Expanded)
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- Özoğuz İ. S.
ELECTRONICS LETTERS, cilt.35, sa.7, ss.524-525, 1999 (SCI-Expanded)
- XLVIII. High output impedance current-mode multifunction filters with minimum number of active and passive elements using dual-output current conveyors**
- Toker A., Özoğuz S., Çiçekoğlu O.
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- L. High output impedance current-mode multifunction filter with minimum number of active and reduced number of passive elements**
- Özoğuz S., Toker A., Çiçekoğlu O.
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- Özoguz S., Acar C.
Electronics Letters, cilt.33, sa.11, ss.948-949, 1997 (SCI-Expanded)
- LIII. Universal filter with three inputs using CCII+**
- Özoğuz S., Güneş E. O.
Electronics Letters, cilt.32, sa.23, ss.2134-2135, 1996 (SCI-Expanded)
- LIV. High-order voltage transfer function synthesis using CCII+ based unity gain current amplifiers**

Acar C., Ozoguz S.

ELECTRONICS LETTERS, cilt.32, sa.22, ss.2030-2031, 1996 (SCI-Expanded)

Düzenlenen Dergilerde Yayınlanan Makaleler

- I. Characterization of Microstip Transmission Lines Using Fractional-order Circuit Model
Aydin O., Samancı B., ÖZOĞUZ İ. S.
Balkan Journal of Electrical and Computer Engineering, ss.57-61, 2018 (Hakemli Dergi)
- II. High output impedance current-mode multifunction filter using FTFNs
Toker A., Ozoguz S., Cicekoglu O.
Proceedings - IEEE International Symposium on Circuits and Systems, cilt.2, 1999 (Scopus)
- III. On the current-mode current conveyor-based high-order filter realizations
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Proceedings of the IEEE International Conference on Electronics, Circuits, and Systems, cilt.3, ss.127-130, 1998 (Scopus)
- IV. CCII-based balanced fully integrated continuous-time filter synthesis: Signal-flow graph approach
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Proceedings of the IEEE International Conference on Electronics, Circuits, and Systems, cilt.3, ss.131-133, 1998 (Scopus)

Desteklenen Projeler

- Özoğuz İ. S., Yükseköğretim Kurumları Destekli Proje, Düşük Frekanslı Çalışmaya Uygun Yeni bir Salt Aktif Integral Alıcı, 2016 - 2018
- Özoğuz İ. S., Yükseköğretim Kurumları Destekli Proje, Analog İşaret İşlemede Uygulamalarına Yönelik Bir CMOS Kare Alıcı Devre, 2015 - 2018
- Özoğuz İ. S., Yükseköğretim Kurumları Destekli Proje, Geniş Çalışma Bölgeli Salt Aktif MOS Sürgeçler, 2014 - 2018
- Özoğuz İ. S., Yükseköğretim Kurumları Destekli Proje, Gerçek Salt Aktif Sürgeç Gerçeklemeleri, 2012 - 2018
- Özoğuz İ. S., Yükseköğretim Kurumları Destekli Proje, Çıkış Lineerlik Aralığı İyileştirilmiş CMOS Üst Alıcı Devre Tasarımı, 2011 - 2018
- Özoğuz İ. S., Yükseköğretim Kurumları Destekli Proje, Kaos Tabanlı Tümleşik Bir rastgele Sayı Üreteci, 2010 - 2018
- Özoğuz İ. S., Yükseköğretim Kurumları Destekli Proje, True Random Number Generation Based on Double-Scroll Chaotic System, 2008 - 2018
- Özoğuz İ. S., Yükseköğretim Kurumları Destekli Proje, Periodik Darbe Uyarımlı Otonom Olmayan 2-Boyutlu Kaotik Devreler, 2006 - 2018
- Özoğuz İ. S., Yükseköğretim Kurumları Destekli Proje, Otonom Olmayan Kaotik Devreler Yardımıyla Çok Sarmalı Kaotik Çekicilerin Elde Edilmesi, 2005 - 2018

Metrikler

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