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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: P-3247-2018

ScopusID: 57201361947

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Eğitim Bilgileri

Doktora, North Carolina State University, Elektronik Mühendisliği, Amerika Birleşik Devletleri 2008 - 2011

Yüksek Lisans, North Carolina State University, Elektronik Mühendisliği, Amerika Birleşik Devletleri 2006 - 2008

Lisans, Boğaziçi Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 2003 - 2006

Yabancı Diller

İngilizce, C1 İleri

Almanca, C1 İleri

Yaptığı Tezler

Doktora, Variability and reliability in nanoscale circuits: Simulation, design, monitoring, and characterization, North Carolina State University, Elektronik Mühendisliği, 2011

Yüksek Lisans, Theoretical analysis and design methodologies for low noise amplifiers based on tunable matching networks, North Carolina State University, Elektronik Mühendisliği, 2008

Araştırma Alanları

Elektrik-Elektronik Mühendisliği, Elektronik, Elektronik Devreler , Mikrodalga Devreleri, Nanoteknoloji, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Doç.Dr., İstanbul Teknik Üniversitesi, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, 2020 - Devam Ediyor
Dr.Öğr.Üyesi, İstanbul Teknik Üniversitesi, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, 2018 - 2020

Yrd.Doç.Dr., İstanbul Teknik Üniversitesi, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, 2015 - 2018

Akademik İdari Deneyim

Bölüm Başkan Yardımcısı, İstanbul Teknik Üniversitesi, 2020 - Devam Ediyor
Dekan Yardımcısı, İstanbul Teknik Üniversitesi, 2018 - 2020
Fakülte Akademik Kurul Üyesi, İstanbul Teknik Üniversitesi, 2015 - 2020

Verdiği Dersler

Stokastik Modelleme, Lisans, 2017 - 2018
Electronics II, Lisans, 2017 - 2018
RF Microelectronics, Lisans, 2017 - 2018
Semiconductor Devices, Lisans, 2017 - 2018
Basics of Electrical Circuits, Lisans, 2016 - 2017
Analog Electronic Circuits, Lisans, 2017 - 2018
Mikrodalga Mühendisliği, Yüksek Lisans, 2017 - 2018
Modeling of Semiconductor Devices and Components, Lisans, 2017 - 2018
Microelectronics Technology, Lisans, 2016 - 2017
Noise in Electronic Circuits and Systems, Yüksek Lisans, 2015 - 2016

Yönetilen Tezler

Yelten M. B., YÜKSEK HIZLI BASKI DEVRE KARTLARINDA SİNYAL BÜTÜNLÜĞÜNÜN İNCELENMESİ, Yüksek Lisans, K.AÇELYA(Öğrenci), 2023
Yelten M. B., CHARACTERIZATION AND MODELING OF NEGATIVE-BIASTEMPERATURE INSTABILITY IN 40 NM CMOS TECHNOLOGY THROUGH LONG SHORT-TERM MEMORY (LSTM) NETWORKS, Yüksek Lisans, F.BAŞAR(Öğrenci), 2023
Yelten M. B., A 560 MHz FREQUENCY MULTIPLIER EMPLOYING A NOVEL PSEUDO-DIFFERENTIAL CHARGE-PUMP PLL, Yüksek Lisans, M.EMİN(Öğrenci), 2023
Yelten M. B., HIGH PERFORMANCE WIDEBAND 0.25 μ M GAAS PHEMT 6-BIT DIGITAL PHASE SHIFTER DESIGN FOR C-BAND PHASED ARRAY APPLICATIONS, Yüksek Lisans, O.ALTAŞ(Öğrenci), 2023
Yelten M. B., BANDGAP REFERENCE AND LOW DROPOUT VOLTAGE REGULATOR DESIGN FOR CAPSULE ENDOSCOPY SYSTEM, Yüksek Lisans, B.BERİL(Öğrenci), 2022
Yelten M. B., Design of Smart Electronic Adult Diaper, Yüksek Lisans, R.KARAHALİL(Öğrenci), 2022
Yelten M. B., MODELING OF FMMT417 NPN TRANSISTOR AVALANCHE BREAKDOWN BEHAVIOUR WITH DISCRETE CIRCUIT COMPONENTS AT TINA ENVIRONMENT, Yüksek Lisans, M.YETKİN(Öğrenci), 2022
Yelten M. B., Analysis and Design of Cryogenic Bulk-Driven Analog Integrated Circuits, Yüksek Lisans, M.AYTUĞ(Öğrenci), 2022
Yelten M. B., A design of sub-mW-power 2.4 GHz CMOS cascode low noise amplifier with high linearity, Yüksek Lisans, D.EROL(Öğrenci), 2021
Yelten M. B., Characterization of time-based degradation effects and machine learning-based modeling of hot carrier injection in 40 NM CMOS transistors, Yüksek Lisans, X.XHAFÀ(Öğrenci), 2021
Yelten M. B., 5G kablosuz iletişim sistemleri için aşağı dönüşüm Gilbert hücre mikser tasarımı, Yüksek Lisans, F.TALAY(Öğrenci), 2021
Yelten M. B., GAN BASED HIGH POWER MMIC SPDT AND SP8T SWITCH DESIGNS FOR V/UHF FREQUENCIES, Yüksek Lisans, H.YUMUŞ(Öğrenci), 2021
Yelten M. B., V/UHF BANT CMOS RF GÜÇ DEDEKTÖRÜ TASARIMI, Yüksek Lisans, M.KARAKURT(Öğrenci), 2021
Yelten M. B., GaN based high efficiency class AB power amplifier design for sub-6GHz 5G transmitter systems, Yüksek Lisans, K.ÜNAL(Öğrenci), 2021
Yelten M. B., Silver nanowire coated wearable electronics applications, Yüksek Lisans, İ.HALİL(Öğrenci), 2020
Yelten M. B., Design of 180 nm CMOS LC oscillator for space applications, Yüksek Lisans, Y.UZUN(Öğrenci), 2019

- Yelten M. B., A CRYOGENIC CMOS LOW DROPOUT REGULATOR DESIGN FOR SPACE APPLICATIONS, Yüksek Lisans, H.İBRAHİM(Öğrenci), 2019
- Yelten M. B., Radiation-induced effects on N-type metal oxide semiconductor field effect transistor devices: Modeling, simulation and optimization, Yüksek Lisans, S.İLİK(Öğrenci), 2019
- Yelten M. B., Statistical cryogenic modeling methodology of MOSFET DC characteristics in BSIM3, Yüksek Lisans, A.KABAOĞLU(Öğrenci), 2019
- Yelten M. B., A high linearity s-band cryogenic low noise amplifier using 180 nm CMOS technology for space applications, Yüksek Lisans, A.ÇAĞLAR(Öğrenci), 2019
- Yelten M. B., KÜP UYDULAR İÇİN, VHF/UHF BANDI AKTARICI TASARIMI VE GERÇEKLEMESİ, Yüksek Lisans, H.Onur(Öğrenci), 2018
- Yelten M. B., A 0.18 μ m CMOS X-BAND LOW NOISE AMPLIFIER FOR SPACE APPLICATIONS, Yüksek Lisans, N.Şahin(Öğrenci), 2017

Verdiği Kurs ve Eğitimler

Yelten M. B., STEAM-Maker Uzman Liderlik Sertifika Programı, 2019 - 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A Resonant Pulley Rotary Actuator for Scanning Capsule Endoscopy**
Tekin E., Erten A. C., Yelten M. B., Ferhanoğlu O.
IEEE Photonics Technology Letters, cilt.35, sa.16, ss.891-894, 2023 (SCI-Expanded)
- II. **Radiation-aware analog circuit design via fully-automated simulation environment**
Muhikancı O. Y., Ozanoglu K., Afacan E., Yelten M. B., Dündar G.
Integration, cilt.90, ss.81-89, 2023 (SCI-Expanded)
- III. **Total Ionizing Dose (TID) Impact on Basic Amplifier Stages**
İlik S., Yelten M. B.
IEEE Transactions on Device and Materials Reliability, cilt.23, sa.1, ss.51-57, 2023 (SCI-Expanded)
- IV. **A highly-linear, sub-mW LNA at 2.4 GHz in 40 nm CMOS process**
As D. E., Yelten M. B.
INTEGRATION-THE VLSI JOURNAL, cilt.88, ss.278-285, 2023 (SCI-Expanded)
- V. **A 3D-printed spiral actuator for focus adjustment in circumferential scanning endomicroscopy**
Zög İ. S., Gürcüoğlu O., Özdemir Ö., Yelten M. B., Ferhanoğlu O.
Journal of Micromechanics and Microengineering, cilt.33, sa.1, 2023 (SCI-Expanded)
- VI. **A fully-differential, flipped-voltage-follower-based (FVF) transimpedance design for optical receivers with large-area photodetectors**
Gungordu A. D., Comertoglu I., Yelten M. B.
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, cilt.113, sa.2, ss.241-248, 2022 (SCI-Expanded)
- VII. **High-linearity Gilbert-cell mixer design for cryogenic applications**
Altuner E., Ozoguz I. S., Yelten M. B.
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, cilt.113, sa.2, ss.249-256, 2022 (SCI-Expanded)
- VIII. **An ISM-band direct down-conversion double-balanced mixer for biomedical applications**
Yesil E., Ferhanoglu O., Yelten M. B.
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, cilt.113, sa.2, ss.231-239, 2022 (SCI-Expanded)
- IX. **Holistic Device Modeling: Toward a Unified MOSFET Model Including Variability, Aging, and Extreme Operating Conditions**
Yelten M. B.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II-EXPRESS BRIEFS, cilt.69, sa.6, ss.2635-2640, 2022 (SCI-Expanded)

- X. **Monitoring modal shape of miniaturized dynamic structures via laser triangulation and stroboscopy**
Erdem Y. E., Yelten M. B., Ferhanoglu O.
MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS- INFORMATION STORAGE AND PROCESSING SYSTEMS, cilt.27, sa.10, ss.3751-3756, 2021 (SCI-Expanded)
- XI. **A meandered dual loop antenna for wireless capsule endoscopy**
Gures E., Yelten M. B., Ozdemir Ö., Ferhanoglu O.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, cilt.137, 2021 (SCI-Expanded)
- XII. **A switchable DC offset cancellation circuit for time-based degradation correction**
Erol D., Güngörđü A. D., Dundar G., Yelten M. B.
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, cilt.106, sa.3, ss.485-491, 2021 (SCI-Expanded)
- XIII. **Design and validation of an artificial neural network based on analog circuits**
Gencer F. B., Xhafa X., Inam B. B., Yelten M. B.
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, cilt.106, sa.3, ss.475-483, 2021 (SCI-Expanded)
- XIV. **A wide-temperature range (77-400 K) CMOS low-dropout voltage regulator system**
Kayihan H. I., Inam B. B., Dogan B., Yelten M. B.
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, cilt.106, sa.3, ss.501-510, 2021 (SCI-Expanded)
- XV. **An Automated Setup for the Characterization of Time-Based Degradation Effects Including the Process Variability in 40-nm CMOS Transistors**
Xhafa X., Güngörđü A. D., Erol D., Yavuz Y., Yelten M. B.
IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, cilt.70, 2021 (SCI-Expanded)
- XVI. **Design of a tunable LNA and its variability analysis through surrogate modeling**
Xhafa X., Yelten M. B.
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, cilt.33, sa.6, 2020 (SCI-Expanded)
- XVII. **Experimental and modeling studies of automotive-qualified OLEDs under electrical stress**
Guney A., Yelten M. B., Ferhanoglu O., KAHRAMAN N.
MICROELECTRONICS RELIABILITY, cilt.111, 2020 (SCI-Expanded)
- XVIII. **A 180-nm X-Band Cryogenic CMOS LNA**
Caglar A., Yelten M. B.
IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS, cilt.30, sa.4, ss.395-398, 2020 (SCI-Expanded)
- XIX. **Reliability Testing of 3D-Printed Polyamide Actuators**
Kasap G., Gokdel Y. D., Yelten M. B., Ferhanoglu O.
IEEE TRANSACTIONS ON DEVICE AND MATERIALS RELIABILITY, cilt.20, sa.1, ss.152-156, 2020 (SCI-Expanded)
- XX. **Design of Cryogenic LNAs for High Linearity in Space Applications**
Caglar A., Yelten M. B.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS, cilt.66, sa.12, ss.4619-4627, 2019 (SCI-Expanded)
- XXI. **Variability-aware cryogenic models of mosfets: validation and circuit design**
Kabaoglu A., Sahin-Solmaz N., Ilik S., Uzun Y., Yelten M. B.
SEMICONDUCTOR SCIENCE AND TECHNOLOGY, cilt.34, sa.11, 2019 (SCI-Expanded)
- XXII. **Modeling of Total Ionizing Dose Degradation on 180-nm n-MOSFETs Using BSIM3**
Ilik S., Kabaoglu A., Solmaz N. S., Yelten M. B.
IEEE TRANSACTIONS ON ELECTRON DEVICES, cilt.66, sa.11, ss.4617-4622, 2019 (SCI-Expanded)
- XXIII. **On Chip Reconfigurable CMOS Analog Circuit Design and Automation Against Aging Phenomena: Sense and React**
AFACAN E., DÜNDAR G., Baskaya F., PUSANE A. E., Yelten M. B.
ACM TRANSACTIONS ON DESIGN AUTOMATION OF ELECTRONIC SYSTEMS, cilt.24, sa.4, 2019 (SCI-Expanded)
- XXIV. **Radiation tolerance impact of trap density near the drain and source regions of a MOSFET**
Ilik S., Gencer F. B., Solmaz N. S., Çağlar A., Yelten M. B.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, cilt.449, ss.1-5, 2019 (SCI-Expanded)

- XXV. **Silver nanowire coated knitted wool fabrics for wearable electronic applications**
 Gürarslan A., Ozdemir B., Bayat I. H., Yelten M. B., Karabulut Kurt G. Z.
JOURNAL OF ENGINEERED FIBERS AND FABRICS, cilt.14, 2019 (SCI-Expanded)
- XXVI. **Statistical MOSFET Modeling Methodology for Cryogenic Conditions**
 KABAOĞLU A., Solmaz N. S., İlik S., UZUN Y., Yelten M. B.
IEEE TRANSACTIONS ON ELECTRON DEVICES, cilt.66, sa.1, ss.66-72, 2019 (SCI-Expanded)
- XXVII. **Time-dependent dielectric breakdown (TDDB) reliability analysis of CMOS analog and radio frequency (RF) circuits**
 SANIÇ M. T., Yelten M. B.
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, cilt.97, sa.1, ss.39-47, 2018 (SCI-Expanded)
- XXVIII. **Surrogate modeling and variability analysis of on-chip spiral inductors**
 AKSO E., SOYSAL I. B., Yelten M. B.
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, cilt.31, sa.5, 2018 (SCI-Expanded)
- XXIX. **Reliability Testing of 3D-printed Electromechanical Scanning Devices**
 Gönültaş B. M., SAVAŞ J., Khayatzadeh R., Aygün S., ÇIVİTCİ F., GÖKDEL Y. D., YELTEN M. B., FERHANOĞLU O.
Journal Of Electronic Testing-Theory And Applications, 2018 (SCI-Expanded)
- XXX. **Aging signature properties and an efficient signature determination tool for online monitoring**
 Afacan E., Dundar G., Pusane A. E., Yelten M. B., Baskaya F.
INTEGRATION-THE VLSI JOURNAL, cilt.58, ss.496-503, 2017 (SCI-Expanded)
- XXXI. **Comparison of modeling techniques in circuit variability analysis**
 Yelten M. B., Franzon P. D., Steer M. B.
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, cilt.25, sa.3, ss.288-302, 2012 (SCI-Expanded)
- XXXII. **Analog Negative-Bias-Temperature-Instability Monitoring Circuit**
 Yelten M. B., Franzon P. D., Steer M. B.
IEEE TRANSACTIONS ON DEVICE AND MATERIALS RELIABILITY, cilt.12, sa.1, ss.177-179, 2012 (SCI-Expanded)
- XXXIII. **Demystifying Surrogate Modeling for Circuits and Systems**
 Yelten M. B., Zhu T., KOZIEL S., Franzon P. D., Steer M. B.
IEEE CIRCUITS AND SYSTEMS MAGAZINE, cilt.12, sa.1, ss.45-63, 2012 (SCI-Expanded)
- XXXIV. **Surrogate-Model-Based Analysis of Analog Circuits-Part I: Variability Analysis**
 Yelten M. B., Franzon P. D., Steer M. B.
IEEE TRANSACTIONS ON DEVICE AND MATERIALS RELIABILITY, cilt.11, sa.3, ss.466-473, 2011 (SCI-Expanded)
- XXXV. **Surrogate-Model-Based Analysis of Analog Circuits-Part II: Reliability Analysis**
 Yelten M. B., Franzon P. D., Steer M. B.
IEEE TRANSACTIONS ON DEVICE AND MATERIALS RELIABILITY, cilt.11, sa.3, ss.458-465, 2011 (SCI-Expanded)

Diger Dergilerde Yayınlanan Makaleler

- I. **Cryogenic DC Characteristics of Low Threshold Voltage (V_{TH}) n-channel MOSFETs**
 YELTEN M. B.
Balkan Journal of Electrical and Computer Engineering, cilt.7, ss.362-365, 2019 (Hakemli Dergi)

Kitap & Kitap Bölümleri

- I. **Surrogate Modeling of High-Frequency Electronic Circuits**
 Xhafa X., Yelten M. B.
Surrogate Modeling for High-Frequency Design - Recent Advances, Slawomir Koziel, Anna Pietrenko-Dabrowska, Editör, World Scientific Publishing, Singapore, ss.381-404, 2022

- II. Modelling Methodologies in Analogue Integrated Circuit Design**
Dündar G. (Editör), Yelten M. B. (Editör)
The Institution of Engineering and Technology (IET), London, 2020
- III. Variation-Aware Circuit Macromodeling and Design Based on Surrogate Models**
Zhu T., YELTEN M. B., Steer M., Franzon P.
Simulation and Modeling Methodologies Technologies and Applications, , Editör, Springer, ss.255-269, 2013
- IV. Surrogate-Based Modeling and Optimization**
Zhu T., YELTEN M. B., Steer M., Franzon P.
Model Based Variation Aware Integrated Circuit Design, , Editör, Springer, ss.171-188, 2013

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. Linearity Issues in Dual Input Doherty-Outphasing Hybrid Power Amplifier Topology**
Tunç A., YELTEN M. B.
2023 30th IEEE International Conference on Electronics, Circuits and Systems (ICECS), İstanbul, Türkiye, 4 - 07 Aralık 2023
- II. 10W Power Amplifier Design for sub-6GHz 5G Band via Virtual Gain Optimization**
TANDOĞAN Y. D., KILINÇ S., TUNÇ A., YELTEN M. B.
2023 30th IEEE International Conference on Electronics, Circuits and Systems (ICECS), Türkiye, 04 Aralık 2023
- III. Shunt-Shunt Feedback Inverter Transimpedance Amplifier Design for Capsule Endoscopy**
Peker E., Ferhanoğlu O., Yelten M. B.
19th International Conference on Synthesis, Modeling, Analysis and Simulation Methods, and Applications to Circuit Design, SMACD 2023, Funchal, Portekiz, 3 - 05 Temmuz 2023
- IV. High-Performance Wideband 0.25 μm GaAs pHEMT 6-Bit Digital Phase Shifter Design for C-Band Phased Array Applications**
Genc O. A., Gundel A., Yelten M. B.
19th International Conference on Synthesis, Modeling, Analysis and Simulation Methods, and Applications to Circuit Design, SMACD 2023, Funchal, Portekiz, 3 - 05 Temmuz 2023
- V. A 432 MHz Class-D Power Amplifier with 60% Power Efficiency for Wireless Capsule Endoscopy**
Ozturk F., Ferhanoğlu O., Yelten M. B.
19th International Conference on Synthesis, Modeling, Analysis and Simulation Methods, and Applications to Circuit Design, SMACD 2023, Funchal, Portekiz, 3 - 05 Temmuz 2023
- VI. Modeling the Avalanche Breakdown of the FMMT417 NPN BJT in the TINA Environment**
Yetkin M., Yelten M. B.
19th International Conference on Synthesis, Modeling, Analysis and Simulation Methods, and Applications to Circuit Design, SMACD 2023, Funchal, Portekiz, 3 - 05 Temmuz 2023
- VII. A 560 MHz Frequency Multiplier Employing a Novel Pseudo-Differential Charge-Pump PLL**
Kısa M. E., Kelceci B., Yelten M. B.
18th International Conference on Ph.D Research in Microelectronics and Electronics, PRIME 2023, Valencia, İspanya, 18 - 21 Haziran 2023, ss.81-84
- VIII. A Power-Efficient Magnetic Actuator Driver Design**
KEBAPCIOĞLU B., FERHANOĞLU O., YELTEN M. B.
2022 29th IEEE International Conference on Electronics, Circuits and Systems (ICECS), Glasgow, İngiltere, 24 - 26 Ekim 2022
- IX. 40 nm CMOS Sureci Transistorlarının Akım-Gerilim Karakteristiklerinin Oda Sıcaklığında ve Kriyogenik Koşullarda İncelenmesi**
Gencer F. B., İLİK S., GÜNGÖRDÜ A. D., Xhafa X., YELTEN M. B.
ELEKTRİK-ELEKTRONİK ve BİYOMEDİKAL MÜHENDİSLİĞİ KONFERANSI (ELECO), Bursa, Türkiye, 24 - 26 Kasım 2022
- X. Down-Conversion Gilbert Cell Mixer Design for 5G Wireless Communications Systems**

- TALAY F., YELTEN M. B.
2022 24th International Microwave and Radar Conference (MIKON), Gdansk, Polonya, 12 - 14 Eylül 2022
- XI. **A 3D Printed Rotational MEMS Actuator for Scanning Capsule Endoscopy**
Tekin E., ERTEM A. C., YELTEN M. B., FERHANOĞLU O.
2022 INTERNATIONAL CONFERENCE ON OPTICAL MEMS AND NANOPHOTONICS (OMN), 12 - 15 Eylül 2022
- XII. **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, Japonya, 7 - 10 Ağustos 2022, ss.1-4
- XIII. **A Simulation Tool for Space Applications: RadiSPICE**
Muhikancı Ö. Y., OZANOĞLU K., AFACAN E., YELTEN M. B., DÜNDAR G.
2022 18th International Conference on Synthesis, Modeling, Analysis and Simulation Methods and Applications to Circuit Design (SMACD), Villasimius, İtalya, 12 - 15 Haziran 2022, ss.1-4
- XIV. **Responsivity Comparison of Different Photodiode Structures**
İLİK S., FERHANOĞLU O., YELTEN M. B.
2022 18th International Conference on Synthesis, Modeling, Analysis and Simulation Methods and Applications to Circuit Design (SMACD), Villasimius, İtalya, 12 - 15 Haziran 2022, ss.1-4
- XV. **The Supply Modulation Circuit for Dynamic Drain Voltage of the Sub-amplifiers in the Doherty Topology**
Tunç A., YELTEN M. B.
2022 9th International Conference on Electrical and Electronics Engineering (ICEEE), Antalya, Türkiye, 29 Mart 2022, ss.6-9
- XVI. **The Design Overview of the Hybrid Doherty-Outphasing Technique**
Tunç A., YELTEN M. B.
2021 13th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Türkiye, 25 - 27 Kasım 2021, ss.1-4
- XVII. **GaN-Based High-Efficiency Class AB Power Amplifier Design for Sub-6 GHz 5G Transmitter Systems**
ÜNAL K., YELTEN M. B.
2021 13th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Türkiye, 25 - 27 Kasım 2021, ss.90-93
- XVIII. **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, Türkiye, 25 - 27 Kasım 2021, ss.98-101
- XIX. **Design of a 432 MHz Direct Down-Conversion Gilbert Mixer for Biomedical Applications**
Yeşil E., FERHANOĞLU O., YELTEN M. B.
2021 13th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Türkiye, 25 - 27 Kasım 2021, ss.527-530
- XX. **Gamma Ray Effects on Organic Light-Emitting Diodes (OLEDs)**
İLİK S., Dülger C. Ö., Güney A., FERHANOĞLU O., YELTEN M. B.
2021 13th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Türkiye, 25 Kasım 2021, ss.1-4
- XXI. **Design of a High-Linearity Gilbert-Cell Mixer at 5 GHz**
ALTUNER E., ÖZOĞUZ İ. S., YELTEN M. B.
2021 13th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Türkiye, 25 - 27 Kasım 2021, ss.102-105
- XXII. **A Theoretical Efficiency Analysis of Doherty Power Amplifiers built with Different Amplifier Classes**
Tunç A., YELTEN M. B.
2021 29th Telecommunications Forum (TELFOR), Belgrade, Sırbistan, 23 Kasım 2021
- XXIII. **A 3D-Printed Archimedean Actuator for Focus adjustment in Endoscopes**
Salaheldin-Zög İ., Gürcüoğlu O., ÖZDEMİR Ö., YELTEN M. B., FERHANOĞLU O.

- European Conferences on Biomedical Optics 2021 (ECBO), Almanya, 21 - 24 Haziran 2021, ss.1-3
- XXIV. **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, Almanya, 19 - 21 Temmuz 2021, ss.100-103
- XXV. **An ISM-Band Multi-Phase Injection-Locked Ring Oscillator**
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- XXXI. **An Offset Cancellation Set-up for Amplifiers Subject to Aging**
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- XXXII. **Comparison of ELTs with different shapes and a regular layout transistor in 180 nm CMOS process**
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Akademi Dışı Deneyim

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