

Prof. Dr. SERHAN YARKAN

Kişisel Bilgiler

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Yoksis Araştırmacı ID: 101749

Eğitim Bilgileri

Doktora, İstanbul Üniversitesi-Cerrahpaşa, Lisansüstü Eğitim Enstitüsü, Bilgisayar Mühendisliği (Dr), Türkiye 2003 - 2021
Doktora, University of South Florida, Electrical Engineering, Amerika Birleşik Devletleri 2005 - 2009
Yüksek Lisans, İstanbul Üniversitesi, Türkiye 2001 - 2003
Lisans, İstanbul Üniversitesi, Türkiye 1997 - 2001

Yaptığı Tezler

Doktora, Environment, channel, and interference awareness for next generation wireless networks, University of South Florida, Electrical Engineering, 2009
Yüksek Lisans, Quantum hesaplamasında teleportation, İstanbul Üniversitesi, 2003

Akademik Unvanlar / Görevler

Doç. Dr., İstanbul Ticaret Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2017 - Devam Ediyor
Yrd. Doç. Dr., İstanbul Ticaret Üniversitesi, Mühendislik Ve Tasarım Fakültesi, Elektrik Ve Elektronik Mühendisliği Bölümü, 2012 - 2017
Texas A&M University, Dwight Look College Of Engineering, Electrical And Computer Engineering, 2010 - 2012

Akademik İdari Deneyim

İstanbul Ticaret Üniversitesi, 2013 - 2013

Verdiği Dersler

Doktora

Spektral Yaklaşım, Doktora, 2018 - 2019
Radar Systems, Doktora, 2018 - 2019
Digital Radio Communications, Doktora, 2017 - 2018
Advanced Digital Signal Processing, Doktora, 2017 - 2018

Yüksek Lisans

BİLGİ KURAMI, Yüksek Lisans, 2019 - 2020, 2018 - 2019
İSTATİSTİKSEL HABERLEŞME KURAMI, Yüksek Lisans, 2019 - 2020, 2018 - 2019
Sistem Teorisi, Yüksek Lisans, 2018 - 2019
Random Processes, Yüksek Lisans, 2018 - 2019
Rastgele Süreçler ve Zaman Serileri, Yüksek Lisans, 2018 - 2019
Artificial Neural Systems, Yüksek Lisans, 2018 - 2019
Sayısal Haberleşme, Yüksek Lisans, 2017 - 2018
Kablosuz Haberleşme, Yüksek Lisans, 2017 - 2018
Enformasyon Teorisi, Yüksek Lisans, 2017 - 2018
Olasılıksal Sistemler, Yüksek Lisans, 2017 - 2018
Bilgisayar Bilimlerinde Olasılık, Yüksek Lisans, 2014 - 2015
Rastgele Süreçler, Yüksek Lisans, 2014 - 2015, 2013 - 2014, 2012 - 2013
Kablosuz Ağlar, Yüksek Lisans, 2013 - 2014, 2012 - 2013

Lisans

INTRODUCTION TO ELECTRICAL ENGINEERING, Lisans, 2019 - 2020, 2018 - 2019
PROBABİLİSTİC METHODS İN ENGINEERING, Lisans, 2019 - 2020, 2018 - 2019, 2017 - 2018
DESİGN PROJECT, Lisans, 2019 - 2020, 2018 - 2019, 2017 - 2018
ELECTRONİCS LABORATORY, Lisans, 2019 - 2020, 2018 - 2019, 2017 - 2018
DİGİTAL COMMUNİCATİON SYSTEMS, Lisans, 2019 - 2020, 2018 - 2019
Electro-technic Laboratory, Lisans, 2018 - 2019, 2017 - 2018
Linear System Theory, Lisans, 2018 - 2019
Vocational Seminars, Lisans, 2018 - 2019
Wireless Communication, Lisans, 2018 - 2019, 2017 - 2018
Fundamental Engineering Tools and Applications, Lisans, 2018 - 2019
Digital Image Processing, Lisans, 2018 - 2019
Graduation Project, Lisans, 2018 - 2019, 2017 - 2018
Digital Signal Processing, Lisans, 2018 - 2019, 2017 - 2018
Communication Theory, Lisans, 2018 - 2019, 2017 - 2018
Signal Processing, Lisans, 2017 - 2018
Signals and Systems, Lisans, 2017 - 2018
Occupational Health and Safety, Lisans, 2017 - 2018
Numeric Analysis, Lisans, 2017 - 2018
Probability and Statistics, Lisans, 2017 - 2018
Digital Signal Processing, Lisans, 2016 - 2017, 2015 - 2016, 2014 - 2015
Circuit Theory, Lisans, 2016 - 2017
Design Project, Lisans, 2016 - 2017
Graduation Project, Lisans, 2016 - 2017, 2015 - 2016
Signals and Systems, Lisans, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Signal Processing, Lisans, 2016 - 2017
Probabilistic Methods in Engineering, Lisans, 2016 - 2017
Communication Theory, Lisans, 2016 - 2017, 2015 - 2016, 2014 - 2015
Wireless Communication, Lisans, 2016 - 2017
Electro-technic Laboratory, Lisans, 2016 - 2017, 2015 - 2016
Satellite Communications, Lisans, 2015 - 2016
ELECTRONİCS LABORATORY, Lisans, 2015 - 2016, 2014 - 2015
Probability and Statistics, Lisans, 2015 - 2016, 2014 - 2015
Introduction to Modulation and Coding, Lisans, 2015 - 2016
Introduction to Electrical Engineering, Lisans, 2014 - 2015
Analog Electronics Laboratory, Lisans, 2014 - 2015
Sayısal İşaret İşleme, Lisans, 2013 - 2014, 2012 - 2013

Bilişim Tasarım Projesi, Lisans, 2013 - 2014, 2012 - 2013

Olasılık ve İstatistik, Lisans, 2012 - 2013

Mühendislik Matematiği, Lisans, 2012 - 2013

İleri Programlama Dilleri, Lisans, 2012 - 2013

Programming 2, Lisans, 2012 - 2013

Programlama Dilleri, Lisans, 2012 - 2013

Ayrik Matematik, Lisans, 2012 - 2013

Programlama Dilleri, Lisans, 2011 - 2012

Ön Lisans

İLERİ PROGRAMLAMA DİLLERİ, Ön Lisans, 2011 - 2012

Yönetilen Tezler

SERHAN Y., Sıradaki hücre tahmini için döngü tabanlı markov zinciri, Yüksek Lisans, B.YALIN(Öğrenci), 2022

SERHAN Y., Yazılım tanımlı radyo kullanarak faz uyumlu çoklu alıcı tasarımları, Yüksek Lisans, Z.KAPLANOĞLU(Öğrenci), 2022

SERHAN Y., Kızılötesi damar görüntüleme sistemi tasarımı ve gerçeklemesi, Yüksek Lisans, G.ÇANKAYA(Öğrenci), 2021
SERHAN Y., Elektronik karıştırıcılar için sinyal gücüne dayalı uyarlanabilir GPS sinyali sıkışma önleme algoritması, Yüksek Lisans, E.ELEZİ(Öğrenci), 2020

SERHAN Y., Sayısal modülasyonlu işaretlerin radyometre ve derin öğrenme yöntemleri ile tespiti ve başarımı, Yüksek Lisans, G.KİRMAN(Öğrenci), 2020

SERHAN Y., Genişletilmiş enerji dedektör tabanlı uzaktan kumandalı anahtarsız giriş sistemlerinin vericileri için istatistiksel modülasyon tipi tanımlayıcısı, Yüksek Lisans, Ö.ALACA(Öğrenci), 2020

SERHAN Y., Sosyal medyada büyük veri analizi, Yüksek Lisans, M.SALIH(Öğrenci), 2020

SERHAN Y., Statistical analysis of wireless spectrum occupancy, Yüksek Lisans, U.RAMAZAN(Öğrenci), 2019

SERHAN Y., Akıllı şebeke uygulamalarında enerji hatları üzerinden haberleşme teknolojisinin kullanımı için gürültü, empedans ve zayıflamanın alan ölçümleri, Yüksek Lisans, E.BAYCAN(Öğrenci), 2019

SERHAN Y., Görünür ışık haberleşmesi için bir uygulamalı alıcı- verici tasarımları, Yüksek Lisans, S.WALEED(Öğrenci), 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. Secrecy analysis of uplink IM-OFDMA systems in the presence of IQ imbalance

Alaca O., Althunibat S., YARKAN S., Miller S. L., Qaraqe K. A.

IEEE Transactions on Vehicular Technology, cilt.72, sa.11, ss.14411-14425, 2023 (SCI-Expanded)

II. Detection of Grid-Signal Distortions Using the Spectral Correlation Function

Alaca O., Ekti A. R., Wilson A., Holliman J., Piersall E., YARKAN S., Stenvig N.

IEEE Transactions on Smart Grid, cilt.14, sa.6, ss.4980-4983, 2023 (SCI-Expanded)

III. Analysis and Compensation of Tx and Rx IQ Imbalances in Uplink IM-OFDMA Systems

Alaca O., Althunibat S., YARKAN S., Miller S. L., Qaraqe K. A.

IEEE Transactions on Vehicular Technology, cilt.72, sa.10, ss.12956-12969, 2023 (SCI-Expanded)

IV. Physical Layer Security of Dual-Hop Hybrid FSO-mmWave Systems

Althunibat S., Tokgoz S. C., YARKAN S., Miller S. L., Qaraqe K. A.

IEEE Access, cilt.11, ss.58209-58227, 2023 (SCI-Expanded)

V. Secure Uplink IM-OFDMA With Artificial IQ Imbalance

Alaca O., Althunibat S., YARKAN S., Miller S. L., Qaraqe K. A.

IEEE Access, cilt.11, ss.57305-57318, 2023 (SCI-Expanded)

VI. A Simple and Accurate Energy-Detector-Based Transient Waveform Detection for Smart Grids: Real-World Field Data Performance †

Ekti A. R., Wilson A., Olatt J., Holliman J., YARKAN S., Fuhr P.

- Energies, cilt.15, sa.22, 2022 (SCI-Expanded)
- VII. **Measurement-Based Large Scale Statistical Modeling of Air-to-Air Wireless UAV Channels via Novel Time-Frequency Analysis**
Ede B., Kaplan B., Kahraman I., Kesir S., YARKAN S., Ekti A. R., Baykas T., Gorcin A., Çırpan H. A.
IEEE Wireless Communications Letters, cilt.11, sa.1, ss.136-140, 2022 (SCI-Expanded)
- VIII. **A Fractionally Asymmetric Sub-Nyquist Baseband Receiver Design and Implementation for Phase Modulated Signals**
GÜRKAŞ AYDIN G. Z., YARKAN S.
IEEE Access, cilt.10, ss.85343-85354, 2022 (SCI-Expanded)
- IX. **Modeling and Analysis of Short Distance Sub-Terahertz Communication Channel via Mixture of Gamma Distribution**
Tekbyk K., Ekti A. R., Kurt G. K., Gorcin A., YARKAN S.
IEEE Transactions on Vehicular Technology, cilt.70, sa.4, ss.2945-2954, 2021 (SCI-Expanded)
- X. **Detection, Identification, and Direction of Arrival Estimation of Drone FHSS Signals with Uniform Linear Antenna Array**
Kaplan B., Kahraman I., Ekti A. R., YARKAN S., Gorcin A., ÖZDEMİR M. K., Çırpan H. A.
IEEE Access, cilt.9, ss.152057-152069, 2021 (SCI-Expanded)
- XI. **The advances of fronthaul and backhaul communication for 5G and beyond**
Serpedin E., Ekti A. R., BOYACI A., Imran M. A., AYDIN M. A., YARKAN S.
Physical Communication, cilt.36, 2019 (SCI-Expanded)
- XII. **Two-Stage Non-Orthogonal Multiple Access over Power Line Communication Channels**
Rabie K. M., Adebisi B., Tonello A. M., YARKAN S., Ijaz M.
IEEE Access, cilt.6, ss.17368-17376, 2018 (SCI-Expanded)
- XIII. **GERÇEK-ZAMANLI, KISA MESAFELİ VE YAZILIM TABANLI BİR SAYISAL KABLOSUZ HABERLEŞME ALICI-VERİCİ TASARIMININ GERÇEKLEMESİ**
AKIN M., ÇAKIR M., YILDIZ D., ÖZGEN H., YARKAN S.
Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, cilt.30, sa.2, ss.217-224, 2015 (SCI-Expanded)
- XIV. **A generic measurement setup for implementation and performance evaluation of spectrum sensing techniques: Indoor environments**
YARKAN S.
IEEE Transactions on Instrumentation and Measurement, cilt.64, sa.3, ss.606-614, 2015 (SCI-Expanded)
- XV. **A low-cost, real-time, and short-range software-defined digital wireless communications transceiver design and implementation at baseband Gerçek-zamanlı, kısa mesafeli ve yazılım tabanlı bir sayısal kablosuz haberleşme alici-verici tasarımının gerçeklemesi**
Akin M., Çakir M., Yildiz D., Özgen H., YARKAN S.
Journal of the Faculty of Engineering and Architecture of Gazi University, cilt.30, sa.2, ss.217-224, 2015 (SCI-Expanded)
- XVI. **Analysis and characterization of the impact of frequency-selective interference on reporting period for next-generation wireless networks**
YARKAN S., Qaraqe K. A.
IEEE Transactions on Vehicular Technology, cilt.61, sa.8, ss.3813-3819, 2012 (SCI-Expanded)
- XVII. **An online adaptive cooperation scheme for spectrum sensing based on a second-order statistical method**
YARKAN S., Töreyin B. U., Qaraqe K. A., Çetin A. E.
IEEE Transactions on Vehicular Technology, cilt.61, sa.2, ss.675-686, 2012 (SCI-Expanded)

Düzenlenen Dergilerde Yayınlanan Makaleler

- I. **MASTER SLAVE PHASE SYNCHRONIZATION METHOD WITH XOR AND PHASE/FREQUENCY DETECTOR PLL**

- ÇANTI Z. K., YARKAN S.
İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi, cilt.21, sa.41, ss.80-94, 2022 (Hakemli Dergi)
- II. **KIZILÖTESİ DAMAR GÖRÜNTÜSÜ İŞLEME VE DAMAR TESPİTİ**
ÇANKAYA G., BOYACI A., YARKAN S.
Istanbul Commerce University, Journal of Technologies and Applied Sciences, cilt.3, sa.2, ss.183-188, 2021 (Hakemli Dergi)
- III. **Energy-Per-Bit Performance Analysis of Relay-Assisted Power Line Communication Systems**
Rabie K. M., Adebisi B., Gacanin H., YARKAN S.
IEEE Transactions on Green Communications and Networking, cilt.2, sa.2, ss.360-368, 2018 (Scopus)
- IV. **Monitoring, surveillance, and management of the electromagnetic spectrum: Current issues in electromagnetic spectrum monitoring**
BOYACI A., Ekti A. R., YARKAN S., AYDIN M. A.
Istanbul University - Journal of Electrical and Electronics Engineering, cilt.18, sa.1, ss.100-108, 2018 (Scopus)
- V. **Analysis of mobility impact on interference in cognitive radio networks**
Ekti A. R., YARKAN S., Qaraqe K. A., Serpedin E., Dobre O. A.
Physical Communication, cilt.9, ss.212-222, 2013 (Scopus)

Kitaplar

- I. **Lecture Notes in Electrical Engineering**
BOYACI A., EKTİ A. R., AYDIN M. A., YARKAN S.
Springer, 2018
- II. **Vehicle to Cloud: Big Data for Environmental Sustainability, Energy, and Traffic Management**
ÖZPINAR M. A., YARKAN S.
Effective Big Data Management and Opportunities for Implementation, Manoj Kumar Singh, Dileep Kumar G., Editör, IGI Global, ss.182-201, 2016

Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

- I. **EMTP-ATP Draw Based Model for Performance Evaluation of Onsite Partial Discharge Measurement for Underground XLPE Cables**
ATSEVER M. B., HOCAOĞLU M. H., YARKAN S., Deveci U., Yüzungüç S., Mesci N., Yılmaz S. C.
2024 3rd International Conference on Power Systems and Electrical Technology (PSET), Tokyo, Japonya, 5 - 08 Ağustos 2024, (Tam Metin Bildiri)
- II. **Onsite Partial Discharge Detection and Location System for Underground Cables Using USRP-Based Measurement System**
Atsever M. B., Boyaci A., Yarkan S., Hocaoğlu M. H.
2024 6th Global Power, Energy and Communication Conference (GPECOM), Budapest, Macaristan, 04 Haziran 2024, (Tam Metin Bildiri)
- III. **EMTP-ATP Draw Modelling for Partial Discharge Detection and Location System for Underground Cables**
ATSEVER M. B., HOCAOĞLU M. H., Yüzungüç S., Deveci U., Yılmaz S. C., YARKAN S., BOYACI A., Mesci N., Mesci N.
2024 11TH INTERNATIONAL CONFERENCE ON ELECTRICAL AND ELECTRONICS ENGINEERING, Muğla, Türkiye, 22 Nisan 2024, (Özet Bildiri)
- IV. **Performance Analysis of Uplink IM-OFDMA Systems in the Presence of CFO and Rx-IQI**
Alaca O., Althunibat S., YARKAN S., Miller S. L., Qaraqe K. A.
37th International Conference on Information Networking, ICOIN 2023, Bangkok, Tayland, 11 - 14 Ocak 2023, cilt.2023-January, ss.168-173, (Tam Metin Bildiri)
- V. **Adaptive Envelope Detector-Based Phase Fault Detection Method for Power System Grid Distortions**

- Alaca O., Ekti A. R., Wilson A., Piersall E., Snyder I., YARKAN S., Stenvig N. M.
2023 IEEE International Black Sea Conference on Communications and Networking, BlackSeaCom 2023, İstanbul,
Türkiye, 4 - 07 Temmuz 2023, ss.247-252, (Tam Metin Bildiri)
- VI. Physical Layer Authentication for Uplink IM-OFDMA System**
Alaca O., Althunibat S., YARKAN S., Miller S. L., Qaraqe K. A.
2023 IEEE International Black Sea Conference on Communications and Networking, BlackSeaCom 2023, İstanbul,
Türkiye, 4 - 07 Temmuz 2023, ss.186-190, (Tam Metin Bildiri)
- VII. Propeller Effects on mmWave UAV Channels: A Statistical and Empirical Modeling Study**
Cankurtaran H. S., Kachroo A., Choi W., O'Hara J., YARKAN S., Qaraqe K. A., Hasna M. O., Ekin S.
2022 IEEE International Black Sea Conference on Communications and Networking, BlackSeaCom 2022, Sofija,
Bulgaristan, 6 - 09 Haziran 2022, ss.30-35, (Tam Metin Bildiri)
- VIII. Statistical Modeling of Sand and Dust Storm Attenuation**
Cankurtaran H. S., YARKAN S., Hasna M. O., Qaraqe K. A.
2022 International Balkan Conference on Communications and Networking, BalkanCom 2022, Sarajevo, Bosna-
Hersek, 22 - 24 Ağustos 2022, ss.95-99, (Tam Metin Bildiri)
- IX. CNN-Based Signal Detector for IM-OFDMA**
Alaca O., Althunibat S., YARKAN S., Miller S. L., Qaraqe K. A.
2021 IEEE Global Communications Conference, GLOBECOM 2021, Madrid, İspanya, 7 - 11 Aralık 2021, (Tam Metin
Bildiri)
- X. A Comparison on Energy Detector and CNN-based Detector Enerji Sezici ve CNN Tabanlı Sezici
Uzerine Bir Karşılaştırma**
Tokgoz G. K., Tekbiyik K., Kurt G. K., YARKAN S.
28th Signal Processing and Communications Applications Conference, SIU 2020, Gaziantep, Türkiye, 5 - 07 Ekim
2020, (Tam Metin Bildiri)
- XI. An Acoustic Signal Based Language Independent Lip Synchronization Method and Its Implementation
via Extended LPC Genisletilmiş DTK Yardımı ile Akustik Isaret Tabanlı, Dilden Bağımsız Bir Ses-
Dudak Sekli Eslestirme Yöntemi ve Gerçeklemesi**
Cankurtaran H. S., BOYACI A., YARKAN S.
28th Signal Processing and Communications Applications Conference, SIU 2020, Gaziantep, Türkiye, 5 - 07 Ekim
2020, (Tam Metin Bildiri)
- XII. A Comparison on Energy Detector and CNN-based Detector**
Tokgoz G. K., Tekbiyik K., Kurt G. K., Yarkan S.
2020 28TH SIGNAL PROCESSING AND COMMUNICATIONS APPLICATIONS CONFERENCE (SIU), (Tam Metin Bildiri)
- XIII. An Acoustic Signal Based Language Independent Lip Synchronization Method and Its Implementation
via Extended LPC**
Cankurtaran H. S., Boyaci A., Yarkan S.
2020 28TH SIGNAL PROCESSING AND COMMUNICATIONS APPLICATIONS CONFERENCE (SIU), (Tam Metin Bildiri)
- XIV. Measurement Based Direction of Arrival Estimation for Frequency Hopping Signals**
Kaplan B., Kahraman I., Ekti A. R., Yarkan S., Cirpan H. A.
2020 28TH SIGNAL PROCESSING AND COMMUNICATIONS APPLICATIONS CONFERENCE (SIU), (Tam Metin Bildiri)
- XV. Statistical Channel Modeling for Short Range Line-of-Sight Terahertz Communication**
Tekbiyik K., Ulusoy E., Ekti A. R., YARKAN S., Baykas T., Gorci A., Kurt G. K.
30th IEEE Annual International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC 2019,
İstanbul, Türkiye, 8 - 11 Eylül 2019, cilt.2019-September, (Tam Metin Bildiri)
- XVI. A detection and identification method based on signal power for different types of Electronic
Jamming attacks on GPS signals**
Elezi E., Cankaya G., BOYACI A., YARKAN S.
30th IEEE Annual International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC 2019,
İstanbul, Türkiye, 8 - 11 Eylül 2019, cilt.2019-September, (Tam Metin Bildiri)
- XVII. ACO-OFDM Transmission over Underwater Pipeline for VLC-based Systems**
Tokgoz S. C., Boluda-Ruiz R., YARKAN S., Qaraqe K. A.

30th IEEE Annual International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC 2019, İstanbul, Türkiye, 8 - 11 Eylül 2019, cilt.2019-September, (Tam Metin Bildiri)

XVIII. **A survey on backbone attack**

GÜVEN E. Y., YAĞCI M. Y., BOYACI A., YARKAN S., AYDIN M. A.

7th International Symposium on Digital Forensics and Security, ISDFS 2019, Barcelos, Portekiz, 10 - 12 Haziran 2019, (Tam Metin Bildiri)

XIX. **A statistical modulation type identifier for remote keyless entry transmitters based on extended energy detector**

Alaca Ö., BOYACI A., YARKAN S., AYDIN M. A.

7th International Symposium on Digital Forensics and Security, ISDFS 2019, Barcelos, Portekiz, 10 - 12 Haziran 2019, (Tam Metin Bildiri)

XX. **Performance improvement of white led-based vlc systems using blue and flattening filters**

Tokgoz S. C., Anous N., Yarkan S., Khalil D., Qaraqe K. A.

2nd International Conference on Advanced Communication Technologies and Networking, CommNet 2019, Rabat, Fas, 12 - 14 Nisan 2019, (Tam Metin Bildiri)

XXI. **Real-Time Data Transmission over PSTNs on Physical Layer**

Tokgoz S. C., YARKAN S., Miller S., Qaraqe K. A.

16th International Multi-Conference on Systems, Signals and Devices, SSD 2019, İstanbul, Türkiye, 21 - 24 Mart 2019, ss.630-635, (Tam Metin Bildiri)

XXII. **On the Investigation of Bandwidth Allocation for Short-Range and Long-Range Heterogeneous Wireless Networks**

Kazdağ C., Alaca Ö., Ekti A. R., YARKAN S.

16th International Multi-Conference on Systems, Signals and Devices, SSD 2019, İstanbul, Türkiye, 21 - 24 Mart 2019, ss.524-528, (Tam Metin Bildiri)

XXIII. **The effect of Electronic Jammers on GPS Signals**

Elezi E., Çankaya G., BOYACI A., YARKAN S.

16th International Multi-Conference on Systems, Signals and Devices, SSD 2019, İstanbul, Türkiye, 21 - 24 Mart 2019, ss.652-656, (Tam Metin Bildiri)

XXIV. **Performance Evaluation of White LED-based OFDM-VLC Systems with Blue Filters: Experimental Study**

Tokgoz S. C., Anous N., YARKAN S., BOYACI A., Qaraqe K. A.

16th International Multi-Conference on Systems, Signals and Devices, SSD 2019, İstanbul, Türkiye, 21 - 24 Mart 2019, ss.686-690, (Tam Metin Bildiri)

XXV. **Dynamic feature selection for spam detection in twitter**

Karakaslı M. S., AYDIN M. A., YARKAN S., BOYACI A.

1st International Telecommunications Conference, ITelCon 2017, İstanbul, Türkiye, 28 - 29 Aralık 2017, cilt.504, ss.239-250, (Tam Metin Bildiri)

XXVI. **An IEEE 802.11x implementation for V2X communications towards IoT and big data**

Serin D. A., BOYACI A., Özpinar A., YARKAN S.

1st International Telecommunications Conference, ITelCon 2017, İstanbul, Türkiye, 28 - 29 Aralık 2017, cilt.504, ss.177-188, (Tam Metin Bildiri)

XXVII. **Statistical Characterization of Noise for Power Line Communications Channels: Field Measurements**

Baycan E., Erturkler I. H., Sarac M. S., Yarkan S.

11th International Symposium on Communication Systems, Networks and Digital Signal Processing, CSNDSP 2018, Budapest, Macaristan, 18 - 20 Temmuz 2018, (Tam Metin Bildiri)

XXVIII. **Empirical Analysis of The Performance of Radiometer for Digitally Modulated Signals**

ALACA Ö., KİRMAN G., BOYACI A., YARKAN S.

Proc. Computational Methods and Telecommunication in Electrical Engineering and Finance (CMTEEF 2018), Sarajevo, Bosna-Hersek, 6 - 09 Mayıs 2018, ss.44-45, (Tam Metin Bildiri)

XXIX. **Statistical modeling of propagation channels for Terahertz band**

Ekti A. R., BOYACI A., Alparslan A., Unal I., YARKAN S., Gorcin A., ARSLAN H., Uysal M.

- 2017 IEEE Conference on Standards for Communications and Networking, CSCN 2017, Helsinki, Finlandiya, 18 - 20 Eylül 2017, ss.275-280, (Tam Metin Bildiri)
- XXX. **A low-cost, high-precision signal generation algorithm and prototype implementation for software-defined radios Yazılım Tanımlı Radyolar için Düşük Karmasılık, Yüksek Duyarlılık Bir İşaret Üreticisi Algoritması ve Prototip Gerçekleme**
Alaca O., BOYACI A., YARKAN S.
2016 National Conference on Electrical, Electronics and Biomedical Engineering, ELECO 2016, Bursa, Türkiye, 1 - 03 Aralık 2016, ss.641-645, (Tam Metin Bildiri)
- XXXI. **A secure communications prototype implementation for PSTNs operating on physical layer Kablolu telefon sebekeleri için fiziksel katmanda çalışan bir güvenli haberleşme modülü prototip gerçekleme**
Tokgoz S. C., BOYACI A., YARKAN S.
2016 National Conference on Electrical, Electronics and Biomedical Engineering, ELECO 2016, Bursa, Türkiye, 1 - 03 Aralık 2016, ss.599-603, (Tam Metin Bildiri)
- XXXII. **A Low-cost, High-precision Signal Generation Algorithm and Prototype Implementation for Software-Defined Radios**
Alaca O., Boyaci A., Yarkan S.
2016 NATIONAL CONFERENCE ON ELECTRICAL, ELECTRONICS AND BIOMEDICAL ENGINEERING (ELECO), ss.641-645, (Tam Metin Bildiri)
- XXXIII. **A Secure Communications Prototype Implementation for PSTNs operating on Physical Layer**
Tokgoz S. C., Boyaci A., Yarkan S.
2016 NATIONAL CONFERENCE ON ELECTRICAL, ELECTRONICS AND BIOMEDICAL ENGINEERING (ELECO), ss.599-603, (Tam Metin Bildiri)
- XXXIV. **On error variance for autoregressive process-based spectrum occupancy prediction with energy detector for cognitive networks**
BOYACI A., AKI F. N., YARKAN S.
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