

## Prof. Dr. SERHAN YARKAN

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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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

INTRODUCTION TO ELECTRICAL ENGINEERING, Lisans, 2019 - 2020, 2018 - 2019

PROBABİLİSTİK METHODS İN ENGINEERING, Lisans, 2019 - 2020, 2018 - 2019, 2017 - 2018

DESIGN PROJECT, Lisans, 2019 - 2020, 2018 - 2019, 2017 - 2018

BİLGİ KURAMI, Yüksek Lisans, 2019 - 2020, 2018 - 2019

ELECTRONICS LABORATORY, Lisans, 2019 - 2020, 2018 - 2019, 2017 - 2018

DİĞİTAL COMMUNİCATION SYSTEMS, Lisans, 2019 - 2020, 2018 - 2019  
İSTATİSTİKSEL HABERLEŞME KURAMI, Yüksek Lisans, 2019 - 2020, 2018 - 2019  
Sistem Teorisi, Yüksek Lisans, 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  
Spektral Yaklaşım, Doktora, 2018 - 2019  
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  
Random Processes, Yüksek Lisans, 2018 - 2019  
Radar Systems, Doktora, 2018 - 2019  
Rastgele Süreçler ve Zaman Serileri, Yüksek Lisans, 2018 - 2019  
Communication Theory, Lisans, 2018 - 2019, 2017 - 2018  
Artificial Neural Systems, Yüksek Lisans, 2018 - 2019  
Signal Processing, Lisans, 2017 - 2018  
Digital Radio Communications, Doktora, 2017 - 2018  
Signals and Systems, Lisans, 2017 - 2018  
Occupational Health and Safety, Lisans, 2017 - 2018  
Sayısal Haberleşme, Yüksek Lisans, 2017 - 2018  
Kablosuz Haberleşme, Yüksek Lisans, 2017 - 2018  
Enformasyon Teorisi, Yüksek Lisans, 2017 - 2018  
Numeric Analysis, Lisans, 2017 - 2018  
Advanced Digital Signal Processing, Doktora, 2017 - 2018  
Probability and Statistics, Lisans, 2017 - 2018  
Olasılıksal Sistemler, Yüksek 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  
Bilgisayar Bilimlerinde Olasılık, Yüksek Lisans, 2014 - 2015  
Analog Electronics Laboratory, Lisans, 2014 - 2015  
Rastgele Süreçler, Yüksek Lisans, 2014 - 2015, 2013 - 2014, 2012 - 2013  
Kablosuz Ağlar, Yüksek Lisans, 2013 - 2014, 2012 - 2013  
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  
Ayrık Matematik, Lisans, 2012 - 2013  
Programlama Dilleri, Lisans, 2011 - 2012  
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 tasarımı, Yüksek Lisans, Z.KAPLANOĞLU(Öğrenci), 2022  
SERHAN Y., Kızılötesi damar görüntüleme sistemi tasarımı ve gerçekleştirilmesi, Yüksek Lisans, G.ÇANKAYA(Öğrenci), 2021  
SERHAN Y., Elektronik karıştırıcılar için sinyal gücüne dayalı uyarlanabilir GPS sinyali sıkıştırma 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.SALİH(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 tasarımı, Yüksek Lisans, S.WALEED(Öğrenci), 2019

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **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)
- II. **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)
- 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. **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)
- XIV. **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)
- XV. **A low-cost, real-time, and short-range software-defined digital wireless communications transceiver design and implementation at baseband Gerçek-zamanli, kısa mesafeli ve yazilim tabanlı bir sayisal kablosuz haberleşme alıcı-verici tasariminin gerçekleştirilmesi**  
Akin M., Çakir M., Yıldız 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., Töreyn B. U., Qaraqe K. A., Çetin A. E.  
IEEE Transactions on Vehicular Technology, cilt.61, sa.2, ss.675-686, 2012 (SCI-Expanded)

## **Diğer 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)

## Kitap & Kitap Bölümleri

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 Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **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), 04 Haziran 2024

II. **EMTP-ATP Draw Modelling for Partial Discharge Detection and Location System for Underground Cables**

ATSEVER M. B., HOCAOĞLU M. H., Yüzcüleç S., Devenci 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

III. **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

IV. **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

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

VI. **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

- VII. **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
- VIII. **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
- IX. **An Acoustic Signal Based Language Independent Lip Synchronization Method and Its Implementation via Extended LPC Genisletilmis DTK Yardimi ile Akustik Isaret Tabanlı, Dilden Bagimsiz Bir Ses-Dudak Sekli Eslestirme Yontemi ve Gerceklemesi**  
Cankurtaran H. S., BOYACI A., YARKAN S.  
28th Signal Processing and Communications Applications Conference, SIU 2020, Gaziantep, Türkiye, 5 - 07 Ekim 2020
- X. **A Comparison on Energy Detector and CNN-based Detector Enerji Sezici ve CNN Tabanlı Sezici Uzerine Bir Karsilastirma**  
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
- XI. **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)
- 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)
- XIII. **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)
- XIV. **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
- 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
- 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
- XVII. **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
- XVIII. **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

- XIX. 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
- XX. 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
- XXI. 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
- XXII. 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
- 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
- XXIV. Dynamic feature selection for spam detection in twitter**  
Karakaşlı 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
- XXV. An IEEE 802.11x implementation for V2X communications towards IoT and big data**  
Serin D. A., BOYACI A., Özpınar A., YARKAN S.  
1st International Telecommunications Conference, ITelCon 2017, İstanbul, Türkiye, 28 - 29 Aralık 2017, cilt.504, ss.177-188
- XXVI. 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
- XXVII. 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
- XXVIII. 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
- XXIX. A secure communications prototype implementation for PSTNs operating on physical layer Kablolu telefon sebekeleri için fiziksel katmanda çalisan bir güvenli haberleşme modüllü prototip gerçeğemesi**  
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
- XXX. A low-cost, high-precision signal generation algorithm and prototype implementation for software-defined radios Yazılm Tanımlı Radyolar için Düşük Karmaşık, Yüksek Duyarlı Bir İşaret Üretici Algoritması ve Prototip Gerçeğemesi**  
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
- XXXI. **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
- 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
- XXXIII. **On error variance for autoregressive process-based spectrum occupancy prediction with energy detector for cognitive networks**  
BOYACI A., AKI F. N., YARKAN S.  
11th International Wireless Communications and Mobile Computing Conference, IWCMC 2015, Dubrovnik, Hırvatistan, 24 - 28 Ağustos 2015, ss.868-873
- XXXIV. **On Error Variance for Autoregressive Process Based Spectrum Occupancy Prediction with Energy Detector for Cognitive Networks IWCMC 2015 Coop Cognitive Workshop**  
BOYACI A., AKI F. N., YARKAN S.  
IWCMC 2015 Coop-Cognitive Workshop, 24 - 27 Ağustos 2015
- XXXV. **High-resolution multi-band spectrum occupancy measurements and evaluations at 900MHz downlink band for Istanbul metropolitan Istanbul Metropolü İçin GSM 900MHz Downlink Bandındaki Yüksek Çözünürlüklü Çoklu-Bantlı Spektrum Kullanımı Ölçümleri ve Değerlendirmesi**  
AKI F. N., BOYACI A., YARKAN S.  
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