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International Researcher IDs

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Publons / Web Of Science ResearcherID: N-3234-2013

Yoksis Researcher ID: 41633

Education Information

Doctorate, Yildiz Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, Turkey 2006 - 2012

Postgraduate, Yildiz Technical University, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Pr., Turkey 2004 - 2006

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, Turkey 2000 - 2004

Dissertations

Doctorate, Zaman-frekans dağılımları ve kesirli Fourier dönüşümü ile yeni haberleşme ve uyarlanır sistem tasarımları, Yıldız Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2012

Postgraduate, Yayılı spektrum haberleşmesinde boğucu işaret çıkarımı, Yıldız Teknik Üniversitesi, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Pr., 2006

Research Areas

Electrical and Electronics Engineering, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Kocaeli University, Mühendislik Fakültesi, Elektronik ve Haberleşme Mühendisliği, 2023 - Continues

Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2013 - 2018

Academic and Administrative Experience

Kocaeli Üniversitesi, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2015 - 2018

Courses

Sayısal Haberleşme Sistemleri, Postgraduate, 2022 - 2023

Sayısal Haberleşme, Undergraduate, 2022 - 2023, 2021 - 2022

Yeni Nesil Haberleşme Sistemleri, Undergraduate, 2022 - 2023

Analog Haberleşme, Undergraduate, 2023 - 2024

Advising Theses

Aldırmaz Çolak S., Optimizing the Performance of Visible Light Communication System with Angular Diversity, Postgraduate, A.ULLAH(Student), 2020

Aldırmaz Çolak S., Bilişsel radyo sistemlerinde kümeleme ve derin öğrenme ile modülasyon sınıflandırma, Postgraduate, T.DEMİRCİ(Student), 2020

Aldırmaz Çolak S., Haberleşme sistemlerinde enerji optimizasyonu ile etkin kanal katsayı adedinin en aza indirgenmesi, Postgraduate, Ü.ŞENOL(Student), 2019

Aldırmaz Çolak S., Handover performance for LTE-A and beyond heterogeneous networks, Postgraduate, A.YAYA(Student), 2019

Aldırmaz Çolak S., Toward green heterogenous small-cell networks, Postgraduate, M.HEVESLİ(Student), 2019

ALDIRMAZ ÇOLAK S., Yazılım Tabanlı Radyo ile Gerçek Zamanlı PSK Alıcı Verici Yapısı Tasarımı, Postgraduate, M.Ali(Student), 2018

ALDIRMAZ ÇOLAK S., Energy Efficient Massive MIMO Design, Postgraduate, M.Abuibaid(Student), 2018

ALDIRMAZ ÇOLAK S., Uzun vadeli evrim temelli heterojen hücresel ağlarda girişim yönetimi ve en iyi rôle seçimi, Postgraduate, E.Söylemez(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

I. Analysis of mobility robustness optimization in ultra-dense heterogeneous networks

Tashan W., Shayeia I., Aldirmaz-Colak S.

COMPUTER COMMUNICATIONS, vol.222, pp.241-255, 2024 (SCI-Expanded)

II. Joint Pulse Index and Spatial Modulation

ALDIRMAZ ÇOLAK S., AYDIN E., Gundem S., Celik Y., Basar E.

IEEE Communications Letters, vol.28, no.5, pp.1156-1160, 2024 (SCI-Expanded)

III. Optimal Handover Optimization in Future Mobile Heterogeneous Network using Integrated Weighted and Fuzzy Logic Models

Tashan W., Shayeia I. A. M., ALDIRMAZ ÇOLAK S., El-Saleh A. A., ARSLAN H.

IEEE Access, vol.12, pp.57082-57102, 2024 (SCI-Expanded)

IV. Metasurface Manipulation Attacks: Potential Security Threats of RIS-Aided 6G Communications

Alakoca H., Namdar M., Aldırmaz Çolak S., Basaran M., Başgümüş A., Durak Ata L., Yanikomeroglu H.

IEEE Communications Magazine, vol.61, no.1, pp.24-30, 2023 (SCI-Expanded)

V. Flexible Quadrature Spatial Pulse Amplitude Modulation for VLC Systems

ÇELİK Y., ALDIRMAZ ÇOLAK S., Basar E.

IEEE SYSTEMS JOURNAL, vol.16, no.4, pp.5392-5401, 2022 (SCI-Expanded)

VI. Iterative interference alignment with spatial hole sensing in MIMO cognitive radio networks

NAMDAR M., BAŞGÜMÜŞ A., ALDIRMAZ ÇOLAK S., ERDOĞAN E., Alakoca H., Ustunbas S., Durak Ata L.

ANNALS OF TELECOMMUNICATIONS, vol.77, no.3-4, pp.177-185, 2022 (SCI-Expanded)

VII. Extended fully improved quadrature spatial shift keying modulation

ÇELİK Y., ALDIRMAZ ÇOLAK S.

SIGNAL IMAGE AND VIDEO PROCESSING, vol.16, no.3, pp.783-788, 2022 (SCI-Expanded)

VIII. Advanced Mobility Robustness Optimization Models in Future Mobile Networks Based on Machine

Learning Solutions

Tashan W., Shayea I., Aldirmaz-Colak S., Aziz O. A., Alhammadi A., Daradkeh Y. I.
IEEE ACCESS, vol.10, pp.111134-111152, 2022 (SCI-Expanded)

- IX. **Mobility Robustness Optimization in Future Mobile Heterogeneous Networks: A Survey**
Tashan W., Shayea I., ALDIRMAZ ÇOLAK S., Ergen M., Azmi M. H., Alhammadi A.
IEEE ACCESS, vol.10, pp.45522-45541, 2022 (SCI-Expanded)
- X. **Fast and Efficient 2-D and K-D DFT-Based Sinusoidal Frequency Estimation**
Solak V., Aldirmaz-Colak S., SERBES A.
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.70, pp.5087-5101, 2022 (SCI-Expanded)
- XI. **A Secure and Privacy Friendly ECC Based RFID Authentication Protocol for Practical Applications**
Arslan A., Colak S., ERTÜRK S.
WIRELESS PERSONAL COMMUNICATIONS, vol.120, no.4, pp.2653-2691, 2021 (SCI-Expanded)
- XII. **Pulse Index Modulation**
ALDIRMAZ ÇOLAK S., AYDIN E., ÇELİK Y., Acar Y., Basar E.
IEEE COMMUNICATIONS LETTERS, vol.25, no.7, pp.2309-2313, 2021 (SCI-Expanded)
- XIII. **A new spectrally efficient pilot scheme for OFDM systems**
Acar Y., ALDIRMAZ ÇOLAK S.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.129, 2021 (SCI-Expanded)
- XIV. **Generalized quadrature spatial modulation techniques for VLC**
Celik Y., ALDIRMAZ ÇOLAK S.
OPTICS COMMUNICATIONS, vol.471, 2020 (SCI-Expanded)
- XV. **Quadrature spatial modulation sub-carrier intensity modulation (QSM-SIM) for VLC**
Celik Y., Colak S.
PHYSICAL COMMUNICATION, vol.38, 2020 (SCI-Expanded)
- XVI. **Key Challenges, Drivers and Solutions for Mobility Management in 5G Networks: A Survey**
Shayea I., Ergen M., Hadri Azmi M., ALDIRMAZ ÇOLAK S., Nordin R., Daradkeh Y. I.
IEEE ACCESS, vol.8, pp.172534-172552, 2020 (SCI-Expanded)
- XVII. **A Novel Fractional Frequency Reuse Scheme for Interference Management in LTE-A HetNets**
Khan S. A., Kavak A., Colak S., Küçük K.
IEEE ACCESS, vol.7, pp.109662-109672, 2019 (SCI-Expanded)
- XVIII. **Channel estimation for OFDM-IM systems**
Acar Y., ALDIRMAZ ÇOLAK S., Basar E.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.27, no.3, pp.1908-1921, 2019
(SCI-Expanded)
- XIX. **Interference Alignment in Multi-Hop Cognitive Radio Networks under Interference Leakage**
ERDOĞAN E., Colak S., Alakoca H., Namdar M., Basgumus A., Durak-Ata L.
APPLIED SCIENCES-BASEL, vol.8, no.12, 2018 (SCI-Expanded)
- XX. **Adaptive dual-mode OFDM with index modulation**
ALDIRMAZ ÇOLAK S., ACAR Y., BAŞAR E.
PHYSICAL COMMUNICATION, 2018 (SCI-Expanded)
- XXI. **Are RNGs Achilles' Heel of RFID Security and Privacy Protocols?**
ARSLAN A., KARDAŞ S., ALDIRMAZ ÇOLAK S., ERTÜRK S.
Wireless Personal Communications, pp.1-21, 2018 (SCI-Expanded)
- XXII. **Energy-efficient massive MIMO system: Exploiting user location distribution variation**
Abuibaid M. A., Colak S.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.72, pp.17-25, 2017 (SCI-Expanded)
- XXIII. **Toward green 5G heterogeneous small-cell networks: power optimization using load balancing technique**
HAWASLİ M., Colak S.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.82, pp.474-485, 2017 (SCI-Expanded)

- Expanded)
- XXIV. **Preliminary set of analysis for the assessment of wind turbines which are in the line of sight of radar navigation and communications systems**
 SAYNAK U., ŞAMIL K., AHMET FARUK Ç., SENEM M. Y., ALDIRMAZ ÇOLAK S., KARABAYIR O., YÜCEDAĞ O. M., ÇOLAK M. A., MUSTAFA Ü., BATI B., et al.
Iet Radar Sonar And Navigation, vol.8, pp.415-424, 2014 (SCI-Expanded)
- XXV. **Signal Adaptive Discrete Evolutionary Transform as a Sparse Time Frequency Representation**
 ALDIRMAZ ÇOLAK S., DURAK ATA L., AKAN A., CHAPARRO L. F.
Digital Signal Processing, vol.23, pp.1747-1755, 2013 (SCI-Expanded)
- XXVI. **Adaptive fractional Fourier domain filtering**
 DURAK ATA L., ALDIRMAZ ÇOLAK S.
Signal Processing, vol.90, pp.1188-1196, 2010 (SCI-Expanded)
- XXVII. **Spectrally Efficient OFDMA Lattice Structure via Toroidal Waveforms on the Time Frequency Plane**
 ALDIRMAZ ÇOLAK S., SERBES A., DURAK ATA L.
EURASIP Journal on Advances in Signal Processing, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **Performance Analysis of MIMO Techniques for a Pyramid Receiver in an Indoor MIMO-VLC System**
 Khan A., ALDIRMAZ ÇOLAK S., ÇELİK Y.
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.26, pp.1942-1955, 2022 (Peer-Reviewed Journal)
- II. **Secrecy Capacity Analysis of an Underlay Cognitive Radio Network in the Presence of Co-channel and Primary Network Interference**
 Bayat E., ALDIRMAZ ÇOLAK S.
ELECTRICA, vol.21, no.1, pp.105-114, 2021 (ESCI)
- III. **Novel OFDM System Using Orthogonal Pilot Symbols with Subcarrier Index Modulation**
 ACAR Y., ALDIRMAZ ÇOLAK S.
Balkan Journal of Electrical and Computer Engineering, vol.7, no.4, pp.440-445, 2019 (Peer-Reviewed Journal)
- IV. **Impact of small cell user density on performance of small cells sleeping technique for HetNet**
 Colak S.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGİSİ, vol.25, no.5, pp.519-524, 2019 (ESCI)
- V. **Performance Analysis of a Secondary User in Cognitive Radio over Generalized-Gamma Fading Channels**
 Colak S.
ELECTRICA, vol.19, no.2, pp.166-172, 2019 (ESCI)
- VI. **BROADBAND INTERFERENCE EXCISION IN SPREAD SPECTRUM COMMUNICATION SYSTEMS BASED ON SHORT-TIME FOURIER TRANSFORMATION**
 ALDIRMAZ ÇOLAK S., DURAK ATA L.
Progress In Electromagnetics Research B, vol.7, pp.309-320, 2008 (Scopus)

Books & Book Chapters

- I. **Time-Domain Analysis of Modified Vivaldi Antennas**
 ALDIRMAZ ÇOLAK S., TÜRKER TOKAN N.
 in: *Antennas and Wave Propagation*, Pedro Pinho, Editor, IntechOpen, London, pp.39-56, 2018
- II. **Adaptive Fractional Fourier Domain Filtering in Active Noise Control**
 ALDIRMAZ ÇOLAK S., DURAK ATA L.
 in: *Noise Control, Reduction and Cancellation Solutions in Engineering*, Daniela Siano, Editor, IntechOpen, Rijeka,

Refereed Congress / Symposium Publications in Proceedings

- I. **Estimation of Correlated Channels in Reconfigurable Intelligent Surfaces-Enabled 6G Networks**
ALDIRMAZ ÇOLAK S., Başaran M., Baştug N. A., ÇALIK N., BAŞAR E., DURAK ATA L.
IEEE International Black Sea Conference on Communications and Networking, İstanbul, Turkey, 04 July 2023,
pp.96-101
- II. **Glare Effect Analysis On Solar Panels**
Kartal M. Z., Gokkaya E., Taskan S., Saynak U., Karabayir O., ALDIRMAZ ÇOLAK S.
31st IEEE Conference on Signal Processing and Communications Applications (SIU), İstanbul, Turkey, 5 - 08 July
2023
- III. **Effect of Pulse Shaping on the Performance of Spatial Modulation**
Gundem S., ALDIRMAZ ÇOLAK S., Celik Y.
31st IEEE Conference on Signal Processing and Communications Applications (SIU), İstanbul, Turkey, 5 - 08 July
2023
- IV. **Energy-Efficient Massive MIMO Design: Optimal Number of Antennas Ensuring Guaranteed Bit Rate**
Abuibaid M., St-Hilaire M., ALDIRMAZ ÇOLAK S., Eid I.
IEEE Future Networks World Forum (FNWF), Montreal, Canada, 12 - 14 October 2022, pp.328-333
- V. **Sum-Rate Analysis in Reconfigurable Intelligent Surface-Aided UAV Networks Akilli Yansitici Yüzey
Destekli İHA Ağlarında Toplam İletim Hizi Analizi**
Kechagia M. E., ALDIRMAZ ÇOLAK S., Basaran M., Durak Ata L.
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May
2022
- VI. **Hardware-Aware Quadrature Spatial Modulation Donanım Duyarlı Dik Uzamsal Modülasyon**
Celik Y., Colak S.
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May
2022
- VII. **Channel Estimation Effect on Sum-Rate Analysis of RIS-Aided UAV-Based MISO Systems**
Hashi A., ALDIRMAZ ÇOLAK S., Basaran M., Durak Ata L.
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May
2022
- VIII. **Genişletilmiş Tam Gelişmiş Dörtlü Uzaysal Kaydırılmış Anahtarlama Modülasyonu**
ÇELİK Y., ALDIRMAZ ÇOLAK S.
29. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, İstanbul, Turkey, 09 April 2021
- IX. **DoA Estimation in the Presence of Mutual Coupling Using Root-MUSIC Algorithm**
Atesavci C. S., Bahadırılar Y., ALDIRMAZ ÇOLAK S.
8th International Conference on Electrical and Electronics Engineering (ICEEE), Antalya, Turkey, 9 - 11 April 2021,
pp.292-298
- X. **Feedback Channel Effect on the Performance of Interference Alignment**
ALDIRMAZ ÇOLAK S., NAMDAR M., BAŞGÜMÜŞ A., ERDOĞAN E., ALAKOCA H., üstünbaş s., DURAK ATA L.
2020 28th Signal Processing and Communications Applications Conference (SIU), Gaziantep, Turkey, Turkey, 5 - 07
October 2020
- XI. **Capacity Variation of an Indoor MIMO VLC System for a Pyramid Receiver**
Khan A. U., ÇELİK Y., ALDIRMAZ ÇOLAK S.
2020 28th Signal Processing and Communications Applications Conference (SIU), Gaziantep, Turkey, Turkey, 5 - 07
October 2020
- XII. **On the Secrecy Performance of the K-User Cognitive Radio Network with Iterative Interference
Alignment**
ERDOĞAN E., NAMDAR M., BAŞGÜMÜŞ A., ALDIRMAZ ÇOLAK S., ÜSTÜNBAŞ S., ALAKOCA H., DURAK ATA L.

- 2019 IEEE 30th Annual International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC),
Istanbul, Turkey, Turkey, 8 - 11 September 2019
- XIII. **A User Location Distribution Based FFR Strategy for Efficient Utilization of Radio Resources in LTE-A HetNets**
Khan S. A., ALDIRMAZ ÇOLAK S., KAVAK A., KÜÇÜK K.
1st International Informatics and Software Engineering Conference, 6 - 07 November 2019
- XIV. **Minimizing The Number of Effective Channel Taps by Energy Optimization in Communications Systems**
Kizilkaya U. S., Colak S., ARSLAN H.
27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, 24 - 26 April 2019
- XV. **Receiver Design for Dual-Mode Index Modulation Aided OFDM**
Acar Y., Colak S.
2nd International Conference on Advanced Communication Technologies and Networking (CommNet), Rabat, Malta, 12 - 14 April 2019, pp.153-157
- XVI. **Dual-Mode Index Modulation Aided OFDM with Generalized Prefix**
Acar Y., Colak S., Cooklev T.
International Symposium on Networks, Computers and Communications (ISNCC), İstanbul, Turkey, 18 - 20 June 2019
- XVII. **Impact of Partial Band Jammer in Cognitive Radio Networks with Interference Alignment**
ERDOĞAN E., ALDIRMAZ ÇOLAK S., NAMDAR M., BAŞGÜMÜŞ A., Alakoca H., Durak Ata L.
27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, 24 - 26 April 2019
- XVIII. **Yazılım Tanımlı Radyo ile Gerçek Zamanlı PSK Alıcı-Verici Tasarımı ve Gerçekleştirilmesi**
Zengin M. A., KÜÇÜK K., ALDIRMAZ ÇOLAK S.
2018 26th Signal Processing and Communications Applications Conference (SIU 2018), Izmir, Turkey, Turkey, 2 - 05 May 2018
- XIX. **Real-Time PSK Transceiver Design and Implementation using Software Defined Radio**
ZENGİN m. a., KÜÇÜK K., ALDIRMAZ ÇOLAK S.
26th IEE SIGNAL PROCESSING AND COMMUNICATIONS APPLICATIONS CONFERENCE, 2 - 05 May 2018
- XX. **Heterojen Hücresel Ağlarda Girişim Aktarma için Af Tabanlı İşbirlikli Sistemlerde Rôle Seçimi**
SÖYLEMEZ E., ALDIRMAZ ÇOLAK S.
25. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU), 15 - 18 May 2017, pp.1-4
- XXI. **Büyük Ölçekli MIMO Sistemlerde Enerji Verimliliğinin Kullanıcı Konumuna Göre Değişimi**
ABUİBAİD M. A., ALDIRMAZ ÇOLAK S.
25. IEEE SINYAL ISLEME ve İLETİSIM UYGULAMALARI KURULTAYI, 15 - 18 May 2017, pp.1-4
- XXII. **Relay Selection with AF Based Cooperative Systems for Interference Forwarding in HCN**
SÖYLEMEZ E., ALDIRMAZ ÇOLAK S.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- XXIII. **DSP Tabanlı IFF Sistem Simülörü Tasarımı**
Uzan N., Turan S., ALDIRMAZ ÇOLAK S.
2016 24. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU), Zonguldak, Turkey, 16 - 19 May 2016
- XXIV. **On the Performance of DCO OFDM Visible Light Communication Systems under Illumination Constraints**
ALDIRMAZ ÇOLAK S., KIZILIRMAK R. Ç., UYSAL M.
International Conference on Transparent Optical Networks, Budapest, Hungary, 5 - 09 July 2015
- XXV. **Radar Menzil Verisinde Doğrusal Olmayan Yeniden Örnekleme Yaklaşımı**
ALDIRMAZ ÇOLAK S., TURAN S., ERTÜRK S.
23. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU2015), Malatya, Turkey, 16 - 19 May 2015
- XXVI. **An investigation on number of effective taps for multicarrier schemes**
ŞAHİN A., ALDIRMAZ ÇOLAK S., ARSLAN H.
77th Vehicular Technology Conference (VTC Spring), Dresden, Germany, 1 - 05 June 2013
- XXVII. **Wind Turbine Effects on Radar Performance**

- ALDIRMAZ ÇOLAK S., Saynak U., Karabayir O., Coskun A. F., Serim H., Karahan S., Unal M., Bati B., Bati O., Colak M. A., et al.
 21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- XXVIII. **Dogrusal Frekans Kiplemeli İşaretlerin Kesirli Fourier Bolgesinde Sıkıştırılabilir Algılaması**
 ALDIRMAZ ÇOLAK S., DURAK ATA L.
 2011 IEEE 19th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, Turkey, 20 - 22 April 2011
- XXIX. **Yeni Bir OFDM Kafes Yapısı: Zaman-Frekans Duzleminde Toroidal Kafes**
 ALDIRMAZ ÇOLAK S., SERBES A., DURAK ATA L.
 2010 IEEE 18th Signal Processing and Communications Applications Conference (SIU 2010), Diyarbakir, Turkey, Turkey, 22 - 24 April 2010
- XXX. **Cognitive OFDMA: Exploring a new FFT based detection technique for opportunistic usage**
 DEMİRDÖGEN I., Birol A., Aldirmaz S., ARSLAN H., Durak L.
 2010 IEEE Radio and Wireless Symposium, RWW 2010, New Orleans, LA, United States Of America, 10 - 14 January 2010, pp.344-347
- XXXI. **On suitability of PSD method for opportunity detection in OFDM(A) based cognitive radio systems**
 Aldirmaz S., Birol A., Demirdogerr I., ARSLAN H., Durak L.
 2009 International Conference on Ultra Modern Telecommunications and Workshops, St. Petersburg, Russia, 12 - 14 October 2009
- XXXII. **Method of Alternating Projections for Signal and Image Recovery in Fractional Fourier Domains**
 SERBES A., DURAK ATA L., ALDIRMAZ ÇOLAK S.
 3rd IFAC Workshop on Fractional Differentiation and its Applications, Ankara, Turkey, 5 - 07 November 2008
- XXXIII. **Kesirli Fourier Bölgesinde LMS Tabanlı Uyarlanır Süzgeçleme Algoritmaları ile Aktif Gürültü Kontrolü**
 ALDIRMAZ ÇOLAK S., DURAK ATA L., SERBES A.
 2008 IEEE 16th Signal Processing, Communication and Applications Conference (SIU 2008), Aydin, Turkey, 20 - 22 April 2008
- XXXIV. **PERFORMANCE ANALYSIS OF AN STFT-BASED BROADBAND INTERFERENCE EXCISIONALGORITHM IN DS-SS SYSTEMS**
 ALDIRMAZ ÇOLAK S., DURAK ATA L.
 5th International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 5 - 09 December 2007
- XXXV. **DS-YS Sistemlerde KSFD Tabanlı Genişbantlı Girişim Çıkarım Algoritması Ve Performans Analizi**
 ALDIRMAZ ÇOLAK S., DURAK ATA L.
 2007 IEEE 15th Signal Processing and Communications Applications (SIU 2007), Eskisehir, Turkey, Turkey, 11 - 13 June 2007

Supported Projects

Aldırmaz Çolak S., Çelik Y., TUBITAK Project, Uzamsal Modülasyon Ve Türevleri İçin Verimli Darbe Biçimlendirme Yöntemlerinin Tasarımı, 2023 - 2024

ALDIRMAZ ÇOLAK S., Technopark, SDN/NFV UYUMLU AĞ CİHAZLARI GELİŞTİRİLMESİ, 2023 - 2024

Aldırmaz Çolak S., TUBITAK Project, Deprem Sonrası Göçük Altı Canlı Tespiti için Yapay Zeka Tabanlı Frekans-Adımlı Multistatik Geniş Bantlı Radar Yaklaşımı, 2022 - 2024

ALDIRMAZ ÇOLAK S., Technopark, NOMA Tabanlı Küçük Hücre Yönetimi, 2022 - 2023

Aldırmaz Çolak S., Durak Ata L., Namdar M., Başgümüş A., Yazıcı M. A., TUBITAK Project, 6G Telsiz Ağları için Ultra-Bağlantılılık: İHA ve Akıllı Yansıtıcı Yüzeylerle Heterojen Ağ Tasarımı, 2020 - 2023

Aldırmaz Çolak S., Çelik Y., TUBITAK Project, Mobil Mimo Görünür İşık Haberleşmesi İçin Yeni Nesil İndeks Tabanlı Modülasyonların Geliştirilmesi, 2019 - 2020

ALDIRMAZ ÇOLAK S., Industrial Thesis Project, Sayısal Radar Video Dağıtım Sistemi için Radar Sinyal İşleme Cihazının Geliştirilmesi Projesi, 2013 - 2015

Activities in Scientific Journals

AEU - INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, Editor, 2017 - 2022

Metrics

Publication: 72

Citation (WoS): 180

Citation (Scopus): 308

H-Index (WoS): 8

H-Index (Scopus): 9

Scholarships

2214 Doktora sırası burs programı, TUBITAK, 2009 - 2009

Non Academic Experience

TUBITAK, BİLGEM, BİLGEM

TÜBİTAK