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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, İstanbul Teknik Üniversitesi, Bilişim Enstitüsü, Bilişim Uygulamaları, Türkiye 2018 - Devam Ediyor

Yüksek Lisans, İstanbul Teknik Üniversitesi, Bilişim Enstitüsü, Bilişim Uygulamaları, Türkiye 2016 - 2018

Lisans, İstanbul Teknik Üniversitesi, Elektrik-Elektronik, Telekomünikasyon Mühendisliği, Türkiye 2009 - 2016

Araştırma Alanları

Haberleşme Mühendisliği, Sinyal İşleme

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **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, cilt.77, sa.3-4, ss.177-185, 2022 (SCI-Expanded)
- II. **Interference Alignment in Multi-Hop Cognitive Radio Networks under Interference Leakage**
ERDOĞAN E., Colak S. A., Alakoca H., Namdar M., Basgumus A., Durak-Ata L.
APPLIED SCIENCES-BASEL, cilt.8, sa.12, 2018 (SCI-Expanded)
- III. **OFDMA-based network-coded cooperation: design and implementation using software-defined radio nodes**
Gokceli S., ALAKOCA H., BASARAN S. T., KURT G. K.
EURASIP JOURNAL ON ADVANCES IN SIGNAL PROCESSING, 2016 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **MEASUREMENT BASED INVESTIGATION OF CYCLOSTATIONARITY OF OFDMA SIGNALS**
Tekbiyik K., Alakoca H., Tugrel H. B., Ayyildiz C., Kurt G. K.
ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, cilt.17, sa.2, 2017 (ESCI)

Kitap & Kitap Bölümleri

- I. **Interference Alignment in Multi-Input Multi-Output Cognitive Radio-based Network**

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **On the Channel Estimation Performance of NOMA Systems: Experimental Implementation of Real-Time Downlink NOMA-OFDM**
Angjo J., Tuncer M. M., Akertek E., Alakoca H., Başaran M., Durak-Ata L.
IEEE International Black Sea Conference on Communications and Networking (IEEE BlackSeaCom), ELECTRONETWORK, 26 - 29 Mayıs 2020
- II. **On the Secrecy Performance of the K-User Cognitive Radio Network with Iterative Interference Alignment**
Erdogan E., Namdar M., Basgumus A., Colak S. A., Ustunbas S., Alakoca H., Durak-Ata L.
30th IEEE Annual International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC 2019, İstanbul, Türkiye, 8 - 11 Eylül 2019
- III. **Impact of partial band jammer in cognitive radio networks with interference alignment Girişim hizalama kullanan bilişsel radyo ağlarında kısmi bant karıştırıcı etkisi**
ERDOĞAN E., Aldirmaz-Colak S., Namdar M., Basgumus A., Alakoca H., Durak-Ata L.
27th Signal Processing and Communications Applications Conference, SIU 2019, Sivas, Türkiye, 24 - 26 Nisan 2019
- IV. **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, Türkiye, 24 - 26 Nisan 2019
- V. **Identification of Non-Conforming Cordless Phone Signals in Licensed Bands**
Gecgel S., Durmaz M. A., Alakoca H., Karabulut Kurt G. Z., Ayyildiz C.
1st International Telecommunications Conference (ITelCon), İstanbul, Türkiye, 28 - 29 Aralık 2017, cilt.504, ss.271-280
- VI. **Adaptive Bandwidth Utilization with Self-Configuring Networks**
ÜSTÜNBAŞ S., ALAKOCA H., DURAK ATA L.
2018 41st International Conference on Telecommunications and Signal Processing (TSP), 4 - 06 Temmuz 2018
- VII. **System Performance of Interference Alignment in MIMO Cognitive Radio Networks under Interference Leakage**
Alakoca H., ÜSTÜNBAŞ S., Namdar M., Basgumus A., ERDOĞAN E., Durak-Ata L.
41st International Conference on Telecommunications and Signal Processing, TSP 2018, Athens, Yunanistan, 4 - 06 Temmuz 2018
- VIII. **Performance of interference alignment in cognitive radio networks under interference leakage Bilişsel radyo ağlarında girişim kaçığı altında girişim hizalama performansı**
ERDOĞAN E., Namdar M., Basgumus A., Alakoca H., Durak-Ata L.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Türkiye, 2 - 05 Mayıs 2018, ss.1-4
- IX. **Performance of Interference Alignment in Cognitive Radio Networks under Interference Leakage**
ERDOĞAN E., NAMDAR M., BAŞGÜMÜŞ A., Alakoca H., Durak Ata L.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Türkiye, 2 - 05 Mayıs 2018
- X. **A Testbed based Verification of Joint Communication and Computation Systems**
ALTUN u., TEDİK S., alakoca h., KARABULUT KURT G. Z.
25th Telecommunications forum TELFOR 2017, 21 - 22 Kasım 2017
- XI. **PHY Based Jamming Attacks against OFDM Systems: A Measurement Study**
Alakoca H., Karabulut Kurt G. Z., Ayyildiz C.
25th Telecommunication Forum (TELFOR), Belgrade, Sırbistan Ve Karadağ, 21 - 22 Kasım 2017, ss.234-237
- XII. **Chirp Subcarrier Jamming Attacks: An OFDM Based Smart Jammer Design**

Durmaz M. A., Alakoca H., Karabulut Kurt G. Z., Ayyildiz C.

16th Annual Mediterranean Ad Hoc Networking Workshop (Med-Hoc-Net), Budva, MONTENEGRO, 28 - 30 Haziran 2017

XIII. OFDMA System Identification using Cyclic Autocorrelation Function: A Software Defined Radio Testbed

TUGREL H. B., ALAKOCA H., TEKBIYIK K., Kurt G. Z., AYYILDIZ C.

10th International Conference on Signal Processing and Communication Systems (ICSPCS), Surfers Paradise, Avustralya, 19 - 21 Aralık 2016

XIV. CP and Pilot Jamming Attacks on SC-FDMA: Performance Tests with Software Defined Radios

ALAKOCA H., TUGREL H. B., Kurt G. Z., AYYILDIZ C.

10th International Conference on Signal Processing and Communication Systems (ICSPCS), Surfers Paradise, Avustralya, 19 - 21 Aralık 2016

XV. Identification of OFDM Signals using Cyclic Autocorrelation Function

TEKBIYIK K., ALAKOCA H., TUGREL H. B., AYYILDIZ C., Kurt G. Z.

National Conference on Electrical, Electronics and Biomedical Engineering (ELECO), Bursa, Türkiye, 1 - 03 Aralık 2016, ss.622-626

XVI. Angle of Arrival (AoA) Estimation by using Software Defined Radios

Tugrel H. B., Alakoca H., Karabulut Kurt G. Z., Ayyildiz C.

24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Türkiye, 16 - 19 Mayıs 2016, ss.1429-1432

XVII. Implementation of Pre-FFT Beamforming in MIMO-OFDM

Gokceli S., Uslu M., Karabulut Kurt G. Z., ÖZBEK B., Alakoca H., Durmaz M. A.

9th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Türkiye, 26 - 28 Kasım 2015, ss.264-268

XVIII. Performance of TCP over 802.11ac based WLANs via Testbed Measurements

Alakoca H., Karaca M., Karabulut Kurt G. Z.

12th International Symposium on Wireless Communication Systems (ISWCS), Brussels, Belçika, 25 - 28 Ağustos 2015

XIX. Design and Implementation of A Software Defined Radio Based OFDMA Network

Gokceli S., Alakoca H., Karabulut Kurt G. Z.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.1236-1239

XX. The Impact of MAC Layer Parameters in System Performance of 802.11 ac Multi-hop Networks

Alakoca H., Karaca M., Karabulut Kurt G. Z.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.1441-1444

Metrikler

Yayın: 30

Atıf (WoS): 20

Atıf (Scopus): 27

H-İndeks (WoS): 2

H-İndeks (Scopus): 3