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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Virginia Üniversitesi, Mühendislik, Elektrik Ve Bilgisayar Mühendisliği, Türkiye 1998 - 2000

Araştırma Alanları

Bilgi Kuramı, Haberleşme Ağları, Kablosuz İletişim, Radyo, Televizyon Yayını

Akademik Unvanlar / Görevler

Prof. Dr., Yıldız Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, 2015 - Devam Ediyor

Yönetilen Tezler

TÜRELİ M. S. U., MIMO Haberleşmede Senkronizasyon ve Dekodlamada Uzam Çeşitlemesi Kullanımı, Doktora, P.Honan(Öğrenci), 2016

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. **Optimizing Vehicular Safety Message Communications by Adopting Transmission Probability With CW Size**

Shahen Shah A. S., Karabulut M. A., İlhan H., Tureli U.

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- II. **Performance Optimization of Cluster-Based MAC Protocol for VANETs**
Shah A. S., KARABULUT M. A., İLHAN H., Tureli U.
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- III. **RECV-MAC: a novel reliable and efficient cooperative MAC protocol for VANETs**
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IET COMMUNICATIONS, cilt.13, sa.16, ss.2541-2549, 2019 (SCI-Expanded)
- IV. **CB-MAC: a novel cluster-based MAC protocol for VANETs**
SHAH A. S., İLHAN H., Tureli U.
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- V. **Optimized Intelligent Design for Smart Systems Hybrid Beamforming and Power Adaptation Algorithms for Sensor Networks Decision-Making Approach**
Kharullah A. K., Türeli M. S. U., Kivanç D.
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- VI. **Design, simulation, and fabrication of a small size of a new spiral shaped of circular microstrip patch antenna**
Aoad A., Tuereli M. S. U.
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- VII. **Energy-efficient routing for correlated data in wireless sensor networks**
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- VIII. **Joint iterative beamforming and power adaptation for MIMO ad hoc networks**
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- IX. **Cross-layer MAC design for location-aware wireless sensor networks**
Shi Q., Comaniciu C., Wang D., Tureli U.
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- X. **Bayesian link margins for opportunistic downlink packet systems**
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- XI. **Rician Modeling and Prediction for Wireless Downlink Packet Systems**
Jonathan L., Constantinos P., Dimitry C., TÜRELİ M. S. U.
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- XII. **Cooperation and fairness for slotted aloha**
Wang D., Comaniciu C., TÜRELİ M. S. U.
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- XIII. **Low Complexity Orthogonal Spectral Signal Reconstruction for Generalized OFDMA Uplink with Frequency Synchronization Errors**
Zhongren C., TÜRELİ M. S. U., YuDong Y.
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- XIV. **Low-complexity nonlinear least squares carrier offset estimator for OFDM: Identifiability, diversity and performance**
Tureli U., Honan P., Liu H.
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- XV. **Experimental and analytical studies on a high-resolution OFDM carrier frequency offset estimator**
TÜRELİ M. S. U., Kivanc D., Liu H.
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- XVI. **OFDM blind carrier offset estimation: ESPRIT**
TÜRELİ M. S. U., Liu H., Zoltowski M.
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Liu H., TÜRELİ M. S. U.
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- XVIII. **Fractional lower-order statistics-based ambiguity functions for differential delay Doppler estimation**
Tsihrintzis G., TÜRELİ M. S. U., Nikias C.
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Diğer Dergilerde Yayınlanan Makaleler

- I. **An overview of mobility awareness with mobile edge computing over 6G network: Challenges and future research directions**
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Kitap & Kitap Bölümleri

- I. **qCB-MAC: QoS Aware Cluster-Based MAC Protocol for VANETs**
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Q-Learning Based Access Point Selection in Indoor WLAN Bina İgi Kablosuz Yerel Alan Aglannda Q-Ogrenme Tabanlı Erisim Noktası Sefimi**
Cirit M., Tureli U.
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- II. **Augmented Reality with Mobility Awareness in Mobile Edge Computing over 6G Network: A Survey**
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- III. **Priority Re-assignment for Improving Schedulability and Mixed-Criticality of ARINC 664**
TÜRELİ M. S. U., Gemici Ö. F., Demir M. S., Hökelek İ., ÇÖLERİ S., Yeniaydın M.
2021 IFIP Networking Conference (IFIP Networking), Espoo ve Helsinki, Finlandiya, 21 - 24 Haziran 2021, cilt.1, ss.1-6
- IV. **Prediction of Spectrum Usage with Machine Learning Algorithms**
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- V. **IPsec Protokolü için FPGA üzerinde Anahtar-Değer Saklama Donanımı**
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- VI. **Distributed Cooperative and Noncooperative Joint Power and Beamforming Adaptation Game for MIMO Sensor Networks**
Khiarullah A. K., KIVANÇ TÜRELİ D., TÜRELİ M. S. U.
2020 1st Information Technology To Enhance e-learning and Other Application (IT-ELA Year: 2020 |, Baghdad,

Irak, 12 Temmuz 2020, cilt.1, ss.127-131

VII. Low Complexity Distributed Game for Joint Power and Beamforming Selection in MIMO Ad Hoc Network

Khiarullah A. K., KIVANÇ TÜRELİ D., TÜRELİ M. S. U.

2020 6th International Engineering Conference "Sustainable Technology and Development" (IEC), Erbil, Iraq, 2020, Erbil, Irak, 27 Şubat 2020, cilt.1, ss.48-53

VIII. A Game Theoretic Study for Distributed Multiprotocol Coexistence in ISM Band

EJMEL T., KIVANÇ TÜRELİ D., TÜRELİ M. S. U.

19th International Symposium INFOTEH-JAHORINA, 18-20 March 2020, East Sarajevo, Bosna-Hersek, 18 Mart 2020, cilt.1, ss.1-6

IX. Performance and Complexity Analysis of MAC Protocol for VANETs

Shah A. S., İLHAN H., TÜRELİ M. S. U.

2019 IEEE 10th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Vancouver, BC, Canada, 17 - 19 Ekim 2019

X. Performance and complexity analysis of MAC protocol for VANETs

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XI. Designing and analysis of IEEE 802.11 MAC for UAVs Ad Hoc Networks

Shah A. S., İlhan H., Türelı M. S. U.

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XII. Modeling and performance analysis of the IEEE 802.11p MAC for VANETs

Shah A. F. M. S., İLHAN H., TÜRELİ M. S. U.

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XIII. Performance analysis of the IEEE 802.11p for different packet length in VANETs

Toker O., Shah A. S., TÜRELİ M. S. U.

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XV. The IEEE 802.11p Performance for Different Packet Length and Arrival Rate in VANETs

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XVII. QoS aware cluster-based MAC protocol for VANETs

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XVIII. qCB-MAC: QoS Aware Cluster-Based MAC Protocol for VANETs

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Computing Conference 2018, İngiltere, 10 Temmuz 2018

XIX. 60 GHz 5G Kablosuz Ağlar için Düzensiz Konstelasyonun Başarımı

Hasdemir A. O., TÜRELİ M. S. U.

24. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU), 01 Mayıs 2016

- XX. **Açık Alan Küçük Hücre LTE-A Ağlarda Veri Hızı ve İlişkilendirme**
TÜRELİ M. S. U., Kıvanc D.
22. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU), 01 Nisan 2014
- XXI. **Heterojen LTE-A Ağlarda Sapmalı İlişkilendirmenin Kapsama ve Veri Hızına Etkisi**
Aykol D., TÜRELİ M. S. U., Kıvanc D.
21. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU), 01 Nisan 2013
- XXII. **Design and Simulation of a Hybrid Rectangular Patch and Spiral Microstrip Antenna at UHF & L-Band**
Aoad A., TÜRELİ M. S. U.
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- XXIII. **Iterative beamforming and power control for MIMO ad hoc networks**
Zeydan E., Kıvanc D., TÜRELİ M. S. U.
IEEE Global Telecommunications Conference (GLOBECOM 2010), Ad-Hoc and Sensor Networking Symposium, 01 Aralık 2010, ss.1-5
- XXIV. **Joint Approximation of Localization and Path Exponent in a RSS System**
TÜRELİ M. S. U., Kıvanc D.
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- XXV. **An Indoor-Outdoor Multihop Scheme for Cellular Networks**
Ling J., TÜRELİ M. S. U.
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- XXVI. **Bottleneck Throughput Maximization for Correlated Data Routing: A Game Theoretic Approach**
Zeydan E., Kıvanc D., TÜRELİ M. S. U.
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- XXVII. **Spatial and spectral radio resource enhancement for urban spectrum reuse**
Kamakaris T., Kıvanc D., TÜRELİ M. S. U.
IEEE Personal Indoor and Mobile Radio Communications Conference (PIMRC), 01 Eylül 2008
- XXVIII. **Unitary and Non-unitary Differential Space Frequency Coded OFDM**
Zeydan E., TÜRELİ M. S. U.
IEEE Wireless Communications Conference, 01 Nisan 2008
- XXIX. **Performance Analysis of CSMA and RI-BTMA in an Ad Hoc Network**
Parih V., Kıvanc D., TÜRELİ M. S. U.
Conference on Information Systems, 01 Mart 2008
- XXX. **Cross Layer Interference Mitigation Using a Convergent Two Stage Game for Ad Hoc Networks**
Zeydan E., Kıvanc D., TÜRELİ M. S. U.
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- XXXI. **Inteference Model for Cognitive Coexistence in Cellular Systems**
TÜRELİ M. S. U.
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- XXXII. **Effective channel utilization using the RI-BTMA protocol**
Patel N., Kıvanc D., TÜRELİ M. S. U.
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- XXXIII. **Joint Iterative Channel Allocation and Beamforming Algorithm for Interference Avoidance in Multiple-Antenna Ad Hoc Networks**
TÜRELİ M. S. U.
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- XXXIV. **Evaluating performance of various localization algorithms in wireless and sensor networks**
Desai J., TÜRELİ M. S. U.
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- XXXV. **Opportunistic Spectral Reuse in Cellular Systems**
Kamakaris T., Kıvanc D., TÜRELİ M. S. U.

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XXXVI. Underwater Source Localization Based on Energy Measurement With Radomly Distributed Sensor Array

Chen X, TÜRELİ M. S. U.

SPIE Defense and Security Symposium, 01 Nisan 2007

XXXVII. Differential Space Frequency Group Codes for MIMO OFDM

Zeydan E, TÜRELİ M. S. U.

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XXXVIII. Fair resource allocation in an uplink OFDMA system

Kivanc D., TÜRELİ M. S. U., Liu H.

Wireless Communications and Networking Conference, 01 Mart 2007

XXXIX. Signal to Interference Prediction for Adaptive Radio Links

Ling J., TÜRELİ M. S. U.

IEEE Global Telecommunications Conference (GLOBECOM 2006), 01 Kasım 2006

XL. Acoustic Detection of Divers Using Single Hydrophone

Chen X, TÜRELİ M. S. U.

Asilomar Conference on Signals, Systems and Computers, 01 Kasım 2006

XLI. The effect of frequency offset on the multiple antennas receiver initiated busy tone medium access (MARI-BTMA) protocol

Patel N., Kivanc D., TÜRELİ M. S. U.

Military Communications Conference (MILCOM), 01 Ekim 2006

XLII. Adaptive Reduced-Rank MIMO Decoder for Military Communications

Honan P., TÜRELİ M. S. U., Cao Z.

Military Communications Conference (MILCOM), 01 Ekim 2006

XLIII. SIR Prediction for Downlink Packet Access

Ling J., TÜRELİ M. S. U.

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XLIV. Passive Acoustic Detection of Divers under strong interference

Chen X, Wang R., TÜRELİ M. S. U.

IEEE OCEANS Conference, 01 Eylül 2006

XLV. A fair and efficient pricing strategy for slotted Aloha in MPR Channels

Wang D., TÜRELİ M. S. U.

Fall Vehicular Technology Conference (VTC-Fall'06), 01 Eylül 2006

XLVI. Adaptive Reduced-Rank Interference Suppression for MIMO Decoding

Honan P., Cao Z., TÜRELİ M. S. U.

International Conference on Digital Telecommunications (ICDT '06), 01 Ağustos 2006

XLVII. Wideband Spectrum Probe for Distributed Measurements in Cellular Band.

Shah N., Kamakaris T., TÜRELİ M. S. U., Budhikot M.

IEEE First International Workshop on Technology and Policy for Accessing Spectrum (TAPAS), 01 Ağustos 2006

XLVIII. Performance of Channel Prediction for Wireless Downlink Packet Systems

Ling J., Chizhik D., TÜRELİ M. S. U., Papadias C.

IEEE Communications Conference (ICC'06), 01 Haziran 2006

XLIX. Cross Layer Design for Localization and MAC

Wang D., Comaniciu C., TÜRELİ M. S. U.

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L. Delay Estimation for Two Objects by using Blind Beamforming on a Randomly Distributed Sensor Array

Awad A., TÜRELİ M. S. U.

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LI. Optimal space-frequency group codes for MIMO-OFDM system

Chen Y., Aktas E., Tureli U.

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- LII. **MIMO-OFDM and MAC design for broadband ad hoc network**
Wang D., TÜRELİ M. S. U.
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- LIII. **Optimal Space-frequency group code for MIMO-OFDM system**
Chen Y., Aktaş E., TÜRELİ M. S. U.
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- LIV. **Cross layer design for broadband ad hoc network with MIMO-OFDM**
Wang D., TÜRELİ M. S. U.
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- LV. **Cooperative transceiver architecture and MAC scheme for broadband ad hoc network**
Wang D., TÜRELİ M. S. U.
Conference on Information Systems, 01 Mart 2005
- LVI. **A comparison of space-frequency codes for MIMO OFDM**
TÜRELİ M. S. U., Iyer R., Chen Y.
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- LVII. **Frequency synchronization for generalized OFDMA uplink**
Cao Z., TÜRELİ M. S. U., Yao Y., Honan P.
GLOBECOM 'xx04: IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE, VOLS 1-6, Dallas, 29 Kasım - 03 Aralık 2004
- LVIII. **Blind localization and counting of multiple acoustic sources in a randomly distributed sensor system**
Chen Y., TÜRELİ M. S. U.
Asilomar Conference on Signals, Systems and Computers, 01 Kasım 2004
- LIX. **Experimental Studies on Optimal Space-Frequency Codes for MIMO Systems**
Chen Y., Iyer R., TÜRELİ M. S. U.
Asilomar Conference on Signals, Systems and Computers, 01 Kasım 2004
- LX. **Orthogonal Delay Diversity Realization and Cyclic Group Codes for MIMO-OFDM**
Chen Y., Aktaş E., TÜRELİ M. S. U.
IEEE Communications Conference (ICC'04), 01 Haziran 2004
- LXI. **High data rate MIMO-OFDM system with orthogonal delay diversity realization**
Chen Y., Aktaş E., TÜRELİ M. S. U.
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- LXII. **Analytical and Experimental studies on carrier frequency offset estimation algorithms for OFDM systems**
TÜRELİ M. S. U., Piilai K.
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- LXIII. **Optimum Subcarrier Assignment in OFDMA**
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- LXIV. **Adaptive Reduced-rank Localization for Multiple Wideband Acoustic Sources,**
Chen Y., Honan P., TÜRELİ M. S. U.
Military Communications Conference (MILCOM), 01 Kasım 2003
- LXV. **Efficient Structure-based Carrier Frequency Offset Estimation for Interleaved OFDMA Uplink**
Cao Z., TÜRELİ M. S. U., Yao Y.
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- LXVI. **Blind and Efficient Sub-Space Based Carrier Offset Estimator for Multi-Antenna OFDM Communications in Correlated Noise**
Honan P., TÜRELİ M. S. U.
IEEE Communications Conference (ICC'03), 01 Mayıs 2003
- LXVII. **Experimental studies in OFDM carrier frequency offset estimation**

- Ambati R., TÜRELİ M. S. U.
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- LXVIII. **Performance analysis of diversity combining method for OFDM blind carrier synchronization**
Honan P., Ambati R., TÜRELİ M. S. U.
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- LXIX. **Blind Carrier Offset Estimation for MIMO OFDM Systems: Cramer Rao Bound and Nonlinear Least Squares**
Honan P., TÜRELİ M. S. U.
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- LXX. **Analysis of two receiver schemes for interleaved OFDMA uplink**
Cao Z., TÜRELİ M. S. U., Yao Y.
THIRTY-SIXTH ASILOMAR CONFERENCE ON SIGNALS, SYSTEMS COMPUTERS - CONFERENCE RECORD, VOLS 1 AND 2, CONFERENCE RECORD, PACIFIC GROVE, 3 - 06 Kasım 2002
- LXXI. **User separation and frequency-time synchronization for the uplink of interleaved OFDMA**
Cao Z., TÜRELİ M. S. U., Yao Y.
Conference Record of the Thirty-Sixth Asilomar Conference on Signals, Systems and Computers, 2002., Pacific Grove, CA, USA, 3 - 06 Kasım 2002, ss.1842-1846
- LXXII. **Modified high-efficiency carrier estimator for OFDM communications with antenna diversity**
TÜRELİ M. S. U., Honan P.
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- LXXIII. **Software radio implementation of carrier offset estimation for OFDM communications**
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- LXXIV. **Blind Carrier Synchronization and Channel Identification in OFDM Communication**
TÜRELİ M. S. U., Liu H.
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- LXXV. **High efficiency carrier estimator for OFDM communications**
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- LXXVI. **A high efficiency carrier estimator for OFDM communications.**
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Desteklenen Projeler

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