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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 Yayıncılığı

Akademik Unvanlar / Görevler

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

Yönetilen Tezler

TÜRELİ M. S. U., Telsiz Genişbant Dikey Frekans Bölmeli Çoklu Erişim için Algoritmalar ve Uygulama, Doktora, Z.Cao(Öğrenci), 2016

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

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

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

- IEEE ACCESS, cilt.10, ss.118849-118857, 2022 (SCI-Expanded)
- II. **Performance Optimization of Cluster-Based MAC Protocol for VANETs**
Shah A. S., KARABULUT M. A., İLHAN H., Tureli U.
IEEE ACCESS, cilt.8, ss.167731-167738, 2020 (SCI-Expanded)
- 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**
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IET INTELLIGENT TRANSPORT SYSTEMS, cilt.13, sa.4, ss.587-595, 2019 (SCI-Expanded)
- V. **Optimized Intelligent Design for Smart Systems Hybrid Beamforming and Power Adaptation Algorithms for Sensor Networks Decision-Making Approach**
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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.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.60, sa.12, ss.2912-2918, 2018 (SCI-Expanded)
- 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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Eurasip Journal on Wireless Communications and Networking, cilt.2011, sa.1, 2011 (SCI-Expanded)
- 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**
Ling J., Tureli U.
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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**
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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**
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- XVII. **A High-Efficiency Carrier Estimator for OFDM Communications**
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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Kitap & Kitap Bölümleri

- I. **qCB-MAC: QoS Aware Cluster-Based MAC Protocol for VANETs**
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- I. **Q-Learning Based Access Point Selection in Indoor WLAN Bina Igi Kablosuz Yerel Alan Aglenda Q-Ogrenme Tabanlı Erisim Noktası Sefimi**
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- II. **Augmented Reality with Mobility Awareness in Mobile Edge Computing over 6G Network: A Survey**
Loutfi S. I., Tureli U., Shayea I. A. M.
10th International Conference on Wireless Networks and Mobile Communications, WINCOM 2023, İstanbul, Türkiye, 26 - 28 Ekim 2023
- 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.
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- IV. **Prediction of Spectrum Usage with Machine Learning Algorithms**
Kelek M. O., TÜRELİ M. S. U.
13th International Conference of Strategic Research on Scientific Studies and Education, Antalya, Türkiye, 26 Mayıs 2021, cilt.2, ss.557-564
- V. **IPsec Protokolü için FPGA üzerinde Anahtar-Değer Saklama Donanımı**
Murat B., Özcan E., TÜRELİ M. S. U.
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- VI. **Distributed Cooperative and Noncooperative Joint Power and Beamforming Adaptation Game for MIMO Sensor Networks**
Khizarullah A. K., KIVANÇ TÜRELİ D., TÜRELİ M. S. U.
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- VII. **Low Complexity Distributed Game for Joint Power and Beamforming Selection in MIMO Ad Hoc Network**
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- 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., Türeli M. S. U.
The 10 th IEEE Annual Ubiquitous Computing, Electronics & Mobile Communication Conference (IEEE IEMCON 2019), Vancouver, Kanada, 17 - 19 Ekim 2019, ss.1-5
- X. **Performance and Complexity Analysis of MAC Protocol for VANETs**
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2019 IEEE 10th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Vancouver, BC, Canada, 17 - 19 Ekim 2019
- XI. **Designing and analysis of IEEE 802.11 MAC for UAVs Ad Hoc Networks**
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- XII. **Modeling and performance analysis of the IEEE 802.11 MAC for VANETs under channel fading and capture effect**
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- XIII. **Modeling and performance analysis of the IEEE 802.11p MAC for VANETs**
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- XIV. **Modeling and performance analysis of the IEEE 802.11 MAC for VANETs under capture effect**
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- XV. **Performance analysis of the IEEE 802.11p for different packet length in VANETs**
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- XVI. **Modeling and Performance Analysis of the IEEE 802.11p MAC for VANETs**
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- XVII. **The IEEE 802.11p Performance for Different Packet Length and Arrival Rate in VANETs**
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- XIX. **QoS aware cluster-based MAC protocol for VANETs**
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- XX. **qCB-MAC: QoS Aware Cluster-Based MAC Protocol for VANETs**
SHAH A. S., İLHAN H., TÜRELİ M. S. U.
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- XXI. **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
- XXII. **Açık Alan Küçük Hücre LTE-A Ağlarda Veri Hızı ve İlişkilendirme**
TÜRELİ M. S. U., Kivanc D.
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- XXIII. **Heterojen LTE-A Ağlarda Sapmalı İlişkilendirmenin Kapsama ve Veri Hızına Etkisi**
Aykol D., TÜRELİ M. S. U., Kivanç D.
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- XXIV. **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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- XXV. **Iterative beamforming and power control for MIMO ad hoc networks**
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- XXVI. **An Indoor-Outdoor Multihop Scheme for Cellular Networks**
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- XXVII. **Joint Approximation of Localization and Path Exponent in a RSS System**
TÜRELİ M. S. U., Kivanç D.
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- XXVIII. **Bottleneck Throughput Maximization for Correlated Data Routing: A Game Theoretic Approach**
Zeydan E., Kivanc D., TÜRELİ M. S. U.
IEEE Conference on Infomation Systems, 01 Mart 2010
- XXIX. **Spatial and spectral radio resource enhancement for urban spectrum reuse**
Kamakaris T., Kivanç D., TÜRELİ M. S. U.
IEEE Personal Indoor and Mobile Radio Communications Conference (PIMRC), 01 Eylül 2008
- XXX. **Unitary and Non-unitary Differential Space Frequency Coded OFDM**
Zeydan E., TÜRELİ M. S. U.
IEEE Wireless Communications Conference, 01 Nisan 2008
- XXXI. **Performance Analysis of CSMA and RI-BTMA in an Ad Hoc Network**
Parih V., Kivanc D., TÜRELİ M. S. U.
Conference on Information Systems, 01 Mart 2008
- XXXII. **Cross Layer Interference Mitigation Using a Convergent Two Stage Game for Ad Hoc Networks**
Zeydan E., Kivanc D., TÜRELİ M. S. U.
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- XXXIII. **Inteference Model for Cognitive Coexistence in Cellular Systems**
TÜRELİ M. S. U.
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- XXXIV. **Effective channel utilization using the RI-BTMA protocol**
Patel N., Kivanc D., TÜRELİ M. S. U.
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- XXXV. **Joint Iterative Channel Allocation and Beamforming Algorithm for Interference Avoidance in Multiple-Antenna Ad Hoc Networks**
TÜRELİ M. S. U.
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- XXXVI. **Opportunistic Spectral Reuse in Cellular Systems**
Kamakaris T., Kivanc D., TÜRELİ M. S. U.
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- XXXVII. **Evaluating performance of various localization algorithms in wireless and sensor networks**

- Desai J., TÜRELİ M. S. U.
 IEEE Personal Indoor and Mobile Radio Communications Conference (PIMRC), 01 Eylül 2007
- XXXVIII. Underwater Source Localization Based on Energy Measurement With Randomly Distributed Sensor Array**
 Chen X., TÜRELİ M. S. U.
 SPIE Defense and Security Symposium, 01 Nisan 2007
- XXXIX. Differential Space Frequency Group Codes for MIMO OFDM**
 Zeydan E., TÜRELİ M. S. U.
 41st Annual Conference on Information Sciences and Systems, 01 Mart 2007
- XL. Fair resource allocation in an uplink OFDMA system**
 Kivanc D., TÜRELİ M. S. U., Liu H.
 Wireless Communications and Networking Conference, 01 Mart 2007
- XLI. Acoustic Detection of Divers Using Single Hydrophone**
 Chen X., TÜRELİ M. S. U.
 Asilomar Conference on Signals, Systems and Computers, 01 Kasım 2006
- XLII. Signal to Interference Prediction for Adaptive Radio Links**
 Ling J., TÜRELİ M. S. U.
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- XLIII. 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
- XLIV. Adaptive Reduced-Rank MIMO Decoder for Military Communications**
 Honan P., TÜRELİ M. S. U., Cao Z.
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- XLV. SIR Prediction for Downlink Packet Access**
 Ling J., TÜRELİ M. S. U.
 Military Communications Conference (MILCOM), 01 Ekim 2006
- XLVI. Passive Acoustic Detection of Divers under strong interference**
 Chen X., Wang R., TÜRELİ M. S. U.
 IEEE OCEANS Conference, 01 Eylül 2006
- XLVII. 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
- XLVIII. Wideband Spectrum Probe for Distributed Measurements in Cellular Band.**
 Shah N., Kamakaris T., TÜRELİ M. S. U., Budhikot M.
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- XLIX. Adaptive Reduced-Rank Interference Suppression for MIMO Decoding**
 Honan P., Cao Z., TÜRELİ M. S. U.
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- L. Performance of Channel Prediction for Wireless Downlink Packet Systems**
 Ling J., Chizhik D., TÜRELİ M. S. U., Papadias C.
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- LI. Cross Layer Design for Localization and MAC**
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- LII. 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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- LIII. Optimal space-frequency group codes for MIMO-OFDM system**

- Chen Y., Aktas E., Tureli U.
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- LIV. **MIMO-OFDM and MAC design for broadband ad hoc network**
Wang D., TÜRELİ M. S. U.
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- LV. **Optimal Space-frequency group code for MIMO-OFDM system**
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- LVI. **Cross layer design for broadband ad hoc network with MIMO-OFDM**
Wang D., TÜRELİ M. S. U.
6th IEEE Workshop on Signal Processing Advances in Wireless Communications (SPAWC'05, 01 Haziran 2005
- LVII. **Cooperative transceiver architecture and MAC scheme for broadband ad hoc network**
Wang D., TÜRELİ M. S. U.
Conference on Information Systems, 01 Mart 2005
- LVIII. **A comparison of space-frequency codes for MIMO OFDM**
TÜRELİ M. S. U., Iyer R., Chen Y.
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- LIX. **Frequency synchronization for generalized OFDMA uplink**
Cao Z., TÜRELİ M. S. U., Yao Y., Honan P.
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- LX. **Blind localization and counting of multiple acoustic sources in a randomly distributed sensor system**
Chen Y., TÜRELİ M. S. U.
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- LXI. **Experimental Studies on Optimal Space-Frequency Codes for MIMO Systems**
Chen Y., Iyer R., TÜRELİ M. S. U.
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- LXII. **Orthogonal Delay Diversity Realization and Cyclic Group Codes for MIMO-OFDM**
Chen Y., Aktaş E., TÜRELİ M. S. U.
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- LXIII. **High data rate MIMO-OFDM system with orthogonal delay diversity realization**
Chen Y., Aktaş E., TÜRELİ M. S. U.
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- LXIV. **Analytical and Experimental studies on carrier frequency offset estimation algorithms for OFDM systems**
TÜRKELİ M. S. U., Pilai K.
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- LXV. **Adaptive Reduced-rank Localization for Multiple Wideband Acoustic Sources,**
Chen Y., Honan P., TÜRELİ M. S. U.
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- LXVI. **Optimum Subcarrier Assignment in OFDMA**
Cao Z., TÜRELİ M. S. U.
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- LXVII. **Efficient Structure-based Carrier Frequency Offset Estimation for Interleaved OFDMA Uplink**
Cao Z., TÜRELİ M. S. U., Yao Y.
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- LXVIII. **Experimental studies in OFDM carrier frequency offset estimation**
Ambati R., TÜRELİ M. S. U.
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- LXIX. **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
- LXX. **Performance analysis of diversity combining method for OFDM blind carrier synchronization**
Honan P., Ambati R., TÜRELİ M. S. U.
Fall Vehicular Technology Conference (VTC-Spring 03), 01 Nisan 2003
- LXXI. **Blind Carrier Offset Estimation for MIMO OFDM Systems: Cramer Rao Bound and Nonlinear Least Squares**
Honan P., TÜRELİ M. S. U.
Conference on Information Systems, 01 Mart 2003
- LXXII. **Analysis of two receiver schemes for interleaved OFDMA uplink**
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THIRTY-SIXTH ASILOMAR CONFERENCE ON SIGNALS, SYSTEMS COMPUTERS - CONFERENCE RECORD, VOLS 1 AND 2, CONFERENCE RECORD, PACIFIC GROVE, 3 - 06 Kasım 2002
- LXXIII. **User separation and frequency-time synchronization for the uplink of interleaved OFDMA**
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- LXXIV. **Modified high-efficiency carrier estimator for OFDM communications with antenna diversity**
TÜRELİ M. S. U., Honan P.
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- LXXV. **Software radio implementation of carrier offset estimation for OFDM communications**
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- LXXVI. **Blind Carrier Synchronization and Channel Identification in OFDM Communication**
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- LXXVII. **High efficiency carrier estimator for OFDM communications**
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- LXXVIII. **A high efficiency carrier estimator for OFDM communications.**
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Metrikler

Yayın: 106

Atıf (WoS): 1055

Atıf (Scopus): 1410

H-İndeks (WoS): 11

H-İndeks (Scopus): 15

Ödüller

Shah A. S., Karabulut M. A., İlhan H., Türeli M. S. U., ALTIN ödül, The 32Nd International Invention, Innovation & Technology Exhibition (Itex) 2021, Aralık 2021

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