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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

TÜRELİ M. S. U., Hüresel Ağlarda Dinamik Frekans Erişimi, Doktora, T.Kamakaris(Öğrenci), 2016

TÜRELİ M. S. U., OFDM SİSTEMLERİ İÇİN DENEYSEL TAŞIYICI FARK KESTİRİMİ, Yüksek Lisans, R.Ambati(Öğrenci), 2016

TÜRELİ M. S. U., Yüksek oranla müsait olan hüresel radio bağlantıları, Doktora, J.Ling(Öğrenci), 2016

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

TÜRELİ M. S. U., Kablosuz Ağlarda Çeşitlilik üzerine Çalışma, Yüksek Lisans, R.Iyer(Öğrenci), 2016

TÜRELİ M. S. U., MIMO-OFDM için Eniyi Uzay Frekans Grup Kod Tasarımı, Doktora, Y.Chen(Öğrenci), 2016

TÜRELİ M. S. U., MIMO OFDM TELSİZ AD HOC AĞLAR İÇİN KATMANLARARASI ORTAM ERİŞİM KONTROLÜ PROTOCOLÜ, Yüksek Lisans, N.Patel(Öğrenci), 2016

TÜRELİ M. S. U., Ad Hoc Şebekeler, Yüksek Lisans, S.Rauniar(Öğrenci), 2016

### 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.

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**  
Shah A. S., İlhan H., Türeli M. S. U.  
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.  
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**  
Kharullah A. K., Türeli M. S. U., Kivanç D.  
INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE SYSTEMS, cilt.12, sa.2, ss.1436-1445, 2019 (SCI-Expanded)
- 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**  
ZEYDAN E., Kivanc D., Comaniciu C., Tureli U.  
AD HOC NETWORKS, cilt.10, sa.6, ss.962-975, 2012 (SCI-Expanded)
- VIII. **Joint iterative beamforming and power adaptation for MIMO ad hoc networks**  
Zeydan E., Kivanc D., Tureli U., Comaniciu C.  
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.  
International Journal of Communication Systems, cilt.24, sa.7, ss.872-888, 2011 (SCI-Expanded)
- X. **Bayesian link margins for opportunistic downlink packet systems**  
Ling J., Tureli U.  
IEEE Transactions on Wireless Communications, cilt.7, sa.12, ss.4919-4926, 2008 (SCI-Expanded)
- XI. **Rician Modeling and Prediction for Wireless Downlink Packet Systems**  
Jonathan L., Constantinos P., Dimitry C., TÜRELİ M. S. U.  
IEEE Transactions on Wireless Communications, cilt.7, ss.4692-4699, 2008 (SCI-Expanded)
- XII. **Cooperation and fairness for slotted aloha**  
Wang D., Comaniciu C., TÜRELİ M. S. U.  
WIRELESS PERSONAL COMMUNICATIONS, cilt.43, sa.1, ss.13-27, 2007 (SCI-Expanded)
- XIII. **Low Complexity Orthogonal Spectral Signal Reconstruction for Generalized OFDMA Uplink with Frequency Synchronization Errors**  
Zhongren C., TÜRELİ M. S. U., YuDong Y.  
IEEE Transactions on Vehicular Technology, cilt.56, ss.1143-1154, 2007 (SCI-Expanded)
- XIV. **Low-complexity nonlinear least squares carrier offset estimator for OFDM: Identifiability, diversity and performance**  
Tureli U., Honan P., Liu H.  
IEEE TRANSACTIONS ON SIGNAL PROCESSING, cilt.52, sa.9, ss.2441-2452, 2004 (SCI-Expanded)
- XV. **Experimental and analytical studies on a high-resolution OFDM carrier frequency offset estimator**  
TÜRELİ M. S. U., Kivanc D., Liu H.  
IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, cilt.50, sa.2, ss.629-643, 2001 (SCI-Expanded)
- XVI. **OFDM blind carrier offset estimation: ESPRIT**  
TÜRELİ M. S. U., Liu H., Zoltowski M.  
IEEE TRANSACTIONS ON COMMUNICATIONS, cilt.48, sa.9, ss.1459-1461, 2000 (SCI-Expanded)

- XVII. **A High-Efficiency Carrier Estimator for OFDM Communications**  
Liu H., TÜRELİ M. S. U.  
IEEE COMMUNICATIONS LETTERS, cilt.2, sa.4, ss.104-106, 1998 (SCI-Expanded)
- XVIII. **Fractional lower-order statistics-based ambiguity functions for differential delay Doppler estimation**  
Tsihrintzis G., TÜRELİ M. S. U., Nikias C.  
IEE PROCEEDINGS-RADAR SONAR AND NAVIGATION, cilt.143, sa.6, ss.358-365, 1996 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **An overview of mobility awareness with mobile edge computing over 6G network: Challenges and future research directions**  
Loutfi S. I., Shayea I. A. M., Tureli U., El-Saleh A. A., Tashan W.  
Results in Engineering, cilt.23, 2024 (ESCI)

## **Kitap & Kitap Bölümleri**

- I. **qCB-MAC: QoS Aware Cluster-Based MAC Protocol for VANETs**  
SHAH A. F. M. S., İLHAN H., TÜRELİ M. S. U.  
Intelligent Computing, Arai K., Kapoor S., Bhatia R., Editör, Springer International Publishi, Cham, İsvicre, ss.685-695, 2019

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **Q-Learning Based Access Point Selection in Indoor WLAN Bina İgi Kablosuz Yerel Alan Ađlannda Q-Ogrenme Tabanlı Erisim Noktası Sefimi**  
Cirit M., Tureli U.  
8th International Conference on Computer Science and Engineering, UBMK 2023, Burdur, Türkiye, 13 - 15 Eylül 2023, ss.255-260
- 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.  
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**  
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-Deđer Saklama Donanımı**  
Murat B., Özcan E., TÜRELİ M. S. U.  
ELECO 2020 ELEKTRİK-ELEKTRONİK ve BİYOMEDİKAL MÜHENDİSLİĐİ KONFERANSI, Bursa, Bursa, Türkiye, 26 Kasım 2020, cilt.1, ss.1-6
- 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**  
Shah A. S., İlhan H., Türelı 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
- XI. **Designing and analysis of IEEE 802.11 MAC for UAVs Ad Hoc Networks**  
Shah A. S., İlhan H., Türelı M. S. U.  
The 10 th IEEE Annual Ubiquitous Computing, Electronics & Mobile Communication Conference (IEEE UEMCON 2019), New-York, Amerika Birleşik Devletleri, 10 - 12 Ekim 2019, ss.1-5
- XII. **Modeling and performance analysis of the IEEE 802.11p MAC for VANETs**  
Shah A. F. M. S., İLHAN H., TÜRELİ M. S. U.  
42nd International Conference on Telecommunications and Signal Processing (TSP), Budapeşte, Macaristan, 01 Haziran 2019, ss.1-4
- XIII. **Performance analysis of the IEEE 802.11p for different packet length in VANETs**  
Toker O., Shah A. S., TÜRELİ M. S. U.  
10th International Multi-Conference on Complexity, Informatics and Cybernetics, IMCIC 2019, Florida, Amerika Birleşik Devletleri, 12 - 15 Mart 2019, cilt.1, ss.171-176
- XIV. **Modeling and Performance Analysis of the IEEE 802.11p MAC for VANETs**  
SHAH A. S., İLHAN H., TÜRELİ M. S. U.  
42nd International Conference on Telecommunications and Signal Processing (TSP), Budapest, Macaristan, 1 - 03 Temmuz 2019, ss.393-396
- XV. **The IEEE 802.11p Performance for Different Packet Length and Arrival Rate in VANETs**  
Shah A. M., Toker O., TÜRELİ M. S. U.  
Fourteenth Advanced International Conference on Telecommunications (AICT 2018), Barcelona, İspanya, 22 - 26 Temmuz 2018, ss.52-56
- XVI. **The IEEE 802.11p Performance for Different Packet Length and Arrival Rate in VANETs**  
Toker O., SHAH A. S., TÜRELİ M. S. U.  
The 14th Advanced International Conference on Telecommunications (AICT), Barcelona, İspanya, 22 - 26 Temmuz 2018
- XVII. **QoS aware cluster-based MAC protocol for VANETs**  
Shah A. F. M. S., İLHAN H., TÜRELİ M. S. U.  
IEEE Technically Sponsored Computing Conference 2018, Birleşik Krallık, 10 - 12 Temmuz 2018
- XVIII. **qCB-MAC: QoS Aware Cluster-Based MAC Protocol for VANETs**  
SHAH A. S., İLHAN H., TÜRELİ M. S. U.  
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.  
MASFOR Konferansı, 01 Haziran 2012
- 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.  
Wireless Sensing, Localization, and Processing V Conference at the SPIE Symposium on Defense, Security and Sensing,, 01 Nisan 2010
- XXV. **An Indoor-Outdoor Multihop Scheme for Cellular Networks**  
Ling J., TÜRELİ M. S. U.  
Wireless Communications and Networking Conference, 01 Nisan 2010
- XXVI. **Bottleneck Throughput Maximization for Correlated Data Routing: A Game Theoretic Approach**  
Zeydan E., Kıvanc D., TÜRELİ M. S. U.  
IEEE Conference on Information Systems, 01 Mart 2010
- 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.  
Conference on Information Systems, 01 Mart 2008
- XXXI. **Inteference Model for Cognitive Coexistence in Cellular Systems**  
TÜRELİ M. S. U.  
IEEE Global Telecommunications Conference (GLOBECOM 2007), Ad-Hoc and Sensor Networking Symposium, 01 Kasım 2007
- XXXII. **Effective channel utilization using the RI-BTMA protocol**  
Patel N., Kıvanc D., TÜRELİ M. S. U.  
Military Communications Conference (MILCOM), 01 Ekim 2007
- XXXIII. **Joint Iterative Channel Allocation and Beamforming Algorithm for Interference Avoidance in Multiple-Antenna Ad Hoc Networks**  
TÜRELİ M. S. U.  
Military Communications Conference (MILCOM), 01 Ekim 2007
- XXXIV. **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
- XXXV. **Opportunistic Spectral Reuse in Cellular Systems**  
Kamakaris T., Kıvanc D., TÜRELİ M. S. U.

IEEE Personal Indoor and Mobile Radio Communications Conference (PIMRC), 01 Eylül 2007

**XXXVI. 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

**XXXVII. 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

**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.

Military Communications Conference (MILCOM), 01 Ekim 2006

**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.

Conference on Information Systems, 01 Mart 2006

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

Awad A., TÜRELİ M. S. U.

Conference on Information Systems, 01 Mart 2006

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

Chen Y., Aktas E., Tureli U.

MILCOM 2005: Military Communications Conference 2005, Atlantic City, NJ, Amerika Birleşik Devletleri, 17 - 20 Ekim 2005, cilt.2005

- LII. **MIMO-OFDM and MAC design for broadband ad hoc network**  
Wang D., TÜRELİ M. S. U.  
Military Communications Conference (MILCOM), 01 Ekim 2005
- LIII. **Optimal Space-frequency group code for MIMO-OFDM system**  
Chen Y., Aktaş E., TÜRELİ M. S. U.  
Military Communications Conference (MILCOM), 01 Ekim 2005
- LIV. **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
- 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.  
Conference on Information Systems, 01 Mart 2005
- 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.  
Wireless Communications and Networking Conference, 01 Mart 2004
- LXII. **Analytical and Experimental studies on carrier frequency offset estimation algorithms for OFDM systems**  
TÜRELİ M. S. U., Piilai K.  
Asilomar Conference on Signals, Systems and Computers, 01 Kasım 2003
- LXIII. **Optimum Subcarrier Assignment in OFDMA**  
Cao Z., TÜRELİ M. S. U.  
Asilomar Conference on Signals, Systems and Computers, 01 Kasım 2003
- 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.  
IEEE Communications Conference (ICC'03), 01 Mayıs 2003
- 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.  
IEEE Communications Conference (ICC'03), 01 Mayıs 2003
- LXVIII. **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
- LXIX. **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
- 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.  
Asilomar Conference on Signals, Systems and Computers, 01 Kasım 2001
- LXXIII. **Software radio implementation of carrier offset estimation for OFDM communications**  
TÜRELİ M. S. U., Liu H.  
Proceedings of the 1998 32nd Asilomar Conference on Signals, Systems & Computers. Part 1 (of 2), Pacific Grove, CA, USA, 1 - 04 Kasım 1998, cilt.1, ss.60-64
- LXXIV. **Blind Carrier Synchronization and Channel Identification in OFDM Communication**  
TÜRELİ M. S. U., Liu H.  
International Conference on Acoustics, Speech, and Signal Processing, 01 Mayıs 1998
- LXXV. **High efficiency carrier estimator for OFDM communications**  
Tureli U., Liu H., Zoltowski M. D.  
Proceedings of the 1997 31st Asilomar Conference on Signals, Systems & Computers. Part 1 (of 2), Pacific Grove, CA, USA, 2 - 05 Kasım 1997, cilt.1, ss.505-509
- LXXVI. **A high efficiency carrier estimator for OFDM communications.**  
TÜRELİ M. S. U., Liu H., Zoltowski M. D.  
Signals, Systems Computers, 1997. Conference Record of the Thirty-First Asilomar Conference on, 3 - 06 Eylül 1997

## Desteklenen Projeler

Türelİ M. S. U., Savunma Sanayi Başkanlığı Destekli Proje, Çok Boyutlu Telsiz Haberleşme İşaret Analiz Platformu (KAŞİF), 2018 - 2020

TÜRELİ M. S. U., Yükseköğretim Kurumları Destekli Proje, 5G İletişim için Çözümlerin İncelenmesi, 2016 - 2019

Türelİ M. S. U., Diğer Özel Kurumlarca Desteklenen Proje, Çoklu Ağ ve Örgüsel Ağ Teknolojileri Kullanarak Akıllı Binalarda Enerji Verimliliği Yönetimi Projesi- Akıllı Haberleşme Modülü Araştırması, 2018 - 2018

TÜRELİ M. S. U., Diğer Uluslararası Fon Programları, Akıllı Ad Hoc Ağlarda Dinamik Frekans ve Dalgasekli Uyarlaması, 2010 - 2011

TÜRELİ M. S. U., Diğer Uluslararası Fon Programları, Elektrik ve Bilgisayar Mühendisliğinde yeni bir müfredat için yeni radyolar, 2009 - 2010

TÜRELİ M. S. U., Diğer Uluslararası Fon Programları, Telsiz Karışım ve Şebeke Başarımına Etkisi, 2005 - 2010

TÜRELİ M. S. U., Diğer Uluslararası Fon Programları, Dağıtık Radyo Erişim ve Ağ Testyatağı, 2005 - 2008

TÜRELİ M. S. U., Diğer Uluslararası Fon Programları, Teletanı ve Telemamografi için Telsiz Sınama Ortamı, 2003 - 2007



TÜRELİ M. S. U., Diğer Uluslararası Fon Programları, Kendinden konumlandırılan Ad Hoc Şebekeler, 2005 - 2006  
TÜRELİ M. S. U., Diğer Uluslararası Fon Programları, Ulusal Radyo Sinama Ortamı, 2004 - 2004

## **Metrikler**

Yayın: 105

Atıf (WoS): 1055

Atıf (Scopus): 1413

H-İndeks (WoS): 11

H-İndeks (Scopus): 15

## **Ödüller**

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

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