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Education Information

Doctorate, University of Bristol, Engineering, Electrical And Electronics, United Kingdom 1993 - 1998

Postgraduate, Karadeniz Technical University, -, Elektrik-Elektronik Mühendisliği, Turkey 1987 - 1990

Undergraduate, Karadeniz Technical University, Mühendislik Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey 1982 - 1987

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, A Study of High Performance Equalisation and Pre-Equalisation for High Speed Wireless Data

Communications , University of Bristol, Engineering Faculty, Electrical And Electronics, 1998

Postgraduate, Vektör Kontrollü Asenkron Motorların Analiz ve Simülasyonu, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik, 1990

Research Areas

Information Systems, Communication and Control Engineering, Communication Engineering, Communication System Theory, Error Corrector Codes, Wireless Communication, Modulation Methods, Telecommunication Applications, Electrical and Electronics Engineering, Electromagnetic, Electromagnetic Band Spacing Structures, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2013 - Continues

Academic and Administrative Experience

Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2000 - 2010

Courses

Microprocessors, Undergraduate, 2000 - 2001

Advising Theses

KAYA İ., Değişken Hızlı Rüzgar Türbinleri İçin Tasarlanan Güç Elektroniği Sisteminin Akıllı Kontrolü, Doctorate, O.ÇAKIR(Student), 2015

KAYA İ., Kablosuz Haberleşme Sistemleri İçin Kanal Karşılama Filtresi Tabanlı Yeni Bir Kör Kanal Denkleştirme Yöntemi, Doctorate, E.TUĞCU(Student), 2014

KAYA İ., Bilinmeyen Bir İşaret Kaynağından Alınan Doğrusal Modülasyonlu İşaretlerin Simge Hızının ve Modülasyon Türünübün Kör Olarak Kestrimi, Doctorate, A.GÜNER(Student), 2013

KAYA İ., TCP/IP ile Kablosuz Algılayıcı Ağlarına Erişim, Postgraduate, H.Gürhan(Student), 2011

KAYA İ., FPGA Tabanlı Bir Akustik Kaynak Konumlandırma Sisteminin Tasarımı, Postgraduate, C.ALBAYRAK(Student), 2011

KAYA İ., Kablosuz Yerel Alan Ağlarında(WLAN) Güvenlik Uygulamaları Ve Ses Haberleşmesi(VOIP), Postgraduate, S.KADAKOĞLU(Student), 2010

KAYA İ., Bir Kablosuz Ölçüm Sisteminin 802.15.4 (ZigBee) Standardı Kullanılarak Gerçekleştirilmesi, Postgraduate, A.SOMAY(Student), 2009

KAYA İ., UHF RFID Etiketler İçin SRAM Tabanlı Donanımsal Rastgele Sayı Üreteci Tasarımı, Postgraduate, İ.SOLAK(Student), 2008

KAYA İ., UHF Bandı RFID Sistemlerinde Hata Ölçüm ve Analizi, Postgraduate, Z.Seda(Student), 2008

KAYA İ., Kanalın Birim Vuruş Tepkesine Dayalı Yer Bulma Yöntemi, Postgraduate, C.ŞİMŞEK(Student), 2008

KAYA İ., Turbo Kodlar ve Turbo Denkleştiriciler, Postgraduate, E.TUĞCU(Student), 2007

KAYA İ., DAR-ALAN KABLOSUZ SABİT HABERLEŞME SİSTEMLERİNİN BAŞARIM ANALİZLERİ VE TURBO KODLAYICILARIN SİSTEM BAŞARIMINA ETKİSİ, Doctorate, S.KAHVECİ(Student), 2006

KAYA İ., Uzay Zamanlı Blok Kodlar, Postgraduate, M.KANDEMİR(Student), 2006

KAYA İ., Reed Solomon Kodların AWGN ve Rayleigh Kanallarda Başarım Analizi, Postgraduate, Y.ZORLU(Student), 2006

KAYA İ., Uzaktan Kablosuz Ekg Algılama Ve Görüntüleme Sistemi, Postgraduate, M.Safran(Student), 2006

KAYA İ., MMSE ESASLI İLKLENDİRMELİ ZAMAN DOMENİ KANAL DENKLEŞTİRİCİLER, Doctorate, K.TÜRK(Student), 2005

KAYA İ., SAYISAL HABERLEŞME KANALLARINDA HIZLI PARAMETRE KESTİRİM YÖNTEMLERİ İÇİN BULANIK MANTIK ESASLI BİR DIŞ ÇEVİRİM DENETLEYİCİSİ İLE HIZ VE BAŞARIM ARTIRIMI, Doctorate, A.ÖZEN(Student), 2005

KAYA İ., MIMO Sistemleri, Başarım Analizleri, Postgraduate, A.GÜNER(Student), 2005

KAYA İ., İnternet Protokol Versiyon 6 Ve Getirdikleri, Postgraduate, A.PUL(Student), 2004

KAYA İ., OFDM tabanlı kablosuz iletişim sistemleri için yüksek başarımı alıcı tasarım, Doctorate, B.Soyosal(Student), 2004

KAYA İ., TURBO KODLAMA VE AWGN KANALLARDA BAŞARIM ANALİZİ, Postgraduate, M.BENAR(Student), 2002

KAYA İ., IGBT Tetikleme Devreleri, Postgraduate, Y.AKALTUN(Student), 2001

Published journal articles indexed by SCI, SSCI, and AHCI

I. CMF-DFE Based Adaptive Blind Equalization Using Particle Swarm Optimization

TUĞCU E., KAYA İ., YAZGAN A.

- RADIOENGINEERING, vol.25, no.1, pp.124-131, 2016 (SCI-Expanded)
- II. CMF-DFE Based Adaptive Blind Equalization Using Particle Swarm Optimization**
TUĞCU E., KAYA İ., YAZGAN A.
RADIOENGINEERING, vol.25, no.1, pp.124-131, 2016 (SCI-Expanded)
- III. CMF-DFE Based Adaptive Blind Equalization Using Particle Swarm Optimization**
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- IV. CMF-DFE Based Adaptive Blind Equalization Using Particle Swarm Optimization**
TUĞCU E., KAYA İ., YAZGAN A.
RADIOENGINEERING, vol.25, no.1, pp.124-131, 2016 (SCI-Expanded)
- V. Periodic variation method for blind symbol rate estimation**
Guener A., KAYA İ.
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.27, no.12, pp.4199-4209, 2014 (SCI-Expanded)
- VI. Emitter Location Finding using Particle Swarm Optimization**
ÇAKIR O., KAYA İ., YAZGAN A., ÇAKIR Ö., TUĞCU E.
RADIOENGINEERING, vol.23, no.1, pp.252-258, 2014 (SCI-Expanded)
- VII. Dynamic orientation of receiver arrays using particle swarm optimisation**
ÇAKIR O., KAYA İ., YAZGAN A., ÇAKIR O.
ELECTRONICS LETTERS, vol.49, no.21, pp.1313-1315, 2013 (SCI-Expanded)
- VIII. A Supervised Constant Modulus Algorithm for Blind Equalization**
OZEN A., Kaya I., Soysal B.
WIRELESS PERSONAL COMMUNICATIONS, vol.62, no.1, pp.151-166, 2012 (SCI-Expanded)
- IX. Variable Step-Size Constant Modulus Algorithm Employing Fuzzy Logic Controller**
OZEN A., KAYA İ., Soysal B.
WIRELESS PERSONAL COMMUNICATIONS, vol.54, no.2, pp.237-250, 2010 (SCI-Expanded)
- X. Turbo Code with Modified LLR and Performance Analysis for Bluetooth Packets in Indoor Environments**
KAHVECİ S., KAYA İ.
WIRELESS PERSONAL COMMUNICATIONS, vol.54, no.2, pp.277-287, 2010 (SCI-Expanded)
- XI. The effect of the channel reliability factor in the MAP algorithm on turbo code performance in bluetooth systems**
KAHVECİ S., KAYA İ.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.18, no.2, pp.273-279, 2010 (SCI-Expanded)
- XII. Analysis of Initialized LMS Equalizer for Frequency Selective MIMO Channels Using Single Carrier IEEE 802.16-2004 PHY**
TÜRK K., KAYA İ.
IEICE TRANSACTIONS ON COMMUNICATIONS, no.7, pp.2413-2419, 2009 (SCI-Expanded)
- XIII. The effects of electromagnetic fields on peripheral blood mononuclear cells in vitro**
ATASOY A., SEVİM Y., KAYA İ., YILMAZ M., DURMUS A., SÖNMEZ M., OMAY S. B., ÖZDEMİR F., OVALI E.
BRATISLAVA MEDICAL JOURNAL-BRATISLAVSKE LEKARSKE LISTY, vol.110, no.9, pp.526-529, 2009 (SCI-Expanded)
- XIV. Design of a Fuzzy Based Outer Loop Controller for Improving the Training Performance of LMS Algorithm**
OEZEN A., KAYA İ., Soysal B.
IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS COMMUNICATIONS AND COMPUTER SCIENCES, no.12, pp.3738-3744, 2008 (SCI-Expanded)
- XV. Dynamic look-up-table-based maximum a posterior probability algorithm**
KAHVECİ S., KAYA İ., TÜRK K.
WIRELESS PERSONAL COMMUNICATIONS, vol.46, no.3, pp.317-328, 2008 (SCI-Expanded)
- XVI. Dynamic Look-Up-Table-Based Maximum A Posterior Probability Algorithm**

- KAHVECİ S., TÜRK K., KAYA İ.
WIRELESS PERSONAL COMMUNICATIONS, vol.46, no.3, pp.317-328, 2008 (SCI-Expanded)
- XVII. A METHOD OF INCREASING THE STARTING TORQUE, REVERSING THE DIRECTION AND CONTROLLING THE SPEED FOR THE SHADED POLE INDUCTION-MOTOR
AKPINAR A., KAYA İ.
ELECTRIC MACHINES AND POWER SYSTEMS, vol.20, no.4, pp.321-338, 1992 (SCI-Expanded)

Articles Published in Other Journals

- I. A CMF-DFE-Based Turbo Equalization for Wireless Communication Systems
KAHVECİ S., KAYA İ.
Beykent University Journal of Science and Technology, no.1, pp.264-274, 2007 (Peer-Reviewed Journal)

Books & Book Chapters

- I. Coherent Initialization Methods for Adaptive MIMO Equalizers
Kaya İ., Türk K., Nix A. R.
in: Principles of Waveform Diversity and Design, Wicks M., Makole E., Blunt S., Schneible R., Amuso V., Editor, SciTech Publishing, Inc., Kansas, pp.466-478, 2010
- II. A Novel Approach for Blind Channel Equalization
ÖZEN A., GÜNER A., ÇAKIR O., TUĞCU E., SOYSAL B., KAYA İ.
in: Advanced Intelligent Computing Theories and Applications: With Aspects of Artificial Intelligence, Huang, D.-S., Wunsch, D.C., Levine, D.S., Jo, K.-H., Editor, Springer-Verlag Berlin Heidelberg, Berlin, pp.347-357, 2008
- III. A Novel Approach for Blind Channel Equalization
ÖZEN A., GÜNER A., ÇAKIR O., TUĞCU E., SOYSAL B., KAYA İ.
in: Advanced Intelligent Computing Theories and Applications: With Aspects of Artificial Intelligence, Huang, D.-S., Wunsch, D.C., Levine, D.S., Jo, K.-H., Editor, Springer-Verlag Berlin Heidelberg, Berlin, pp.347-357, 2008

Refereed Congress / Symposium Publications in Proceedings

- I. Tek-Taşıyıcılı WiMax Radyonun 3.5 GHz'de BER Performansının Deneysel Olarak Elde Edilmesi (Experimental BER Performance Evaluation for Single-Carrier WiMax Radio in 3.5 GHz
TÜRK K., KAYA İ., KAHVECİ S.
IEEE 17th Signal Processing and Communications Applications (SIU 2009), İzmir, Turkey, pp.400
- II. Carrier offset compensation for Bluetooth signals
KAHVECİ S., KAYA İ.
IEEE 14th Signal Processing and Communications Applications, Antalya, Turkey, pp.29
- III. Performance Evaluation of Turbo Coding For Bluetooth System Over AWGN and Wideband Channels
KAHVECİ S., KAYA İ.
3rd International Symposium on Electrical, Electronics and Computer Engineering, Cyprus (Kktc), pp.11
- IV. Evaluation of Low-Power Long Distance Radio Communication in Urban Areas: LoRa and Impact of Spreading Factor
Sagir S., KAYA İ., Sisman C., Baltaci Y., Unal S.
7th International Conference on Digital Information Processing and Communications (ICDIPC), Trabzon, Turkey, 2 - 04 May 2019, pp.68-71
- V. Deep Learning for Audio Signal Source Positioning Using Microphone Array
Adanur R., Yesilyurt Y., Sisman C., Sagir S., KAYA İ.
7th International Conference on Digital Information Processing and Communications (ICDIPC), Trabzon, Turkey, 2

- 04 May 2019, pp.18-22
- VI. **A coherent initialisation method of adaptive MIMO equalizers**
KAYA İ., TÜRK K., Nix A.
1st International Waveform Diversity and Design Conference, WDD 2004, Edinburgh, England, 8 - 10 November 2004, vol.2018-January, pp.1-5
- VII. **Coding and Diversity Gains of Low Power Radio Communications: BLE and ZigBee**
Sisman C., Sagir S., KAYA İ., Unal S., Baltaci Y.
41st International Conference on Telecommunications and Signal Processing (TSP), Athens, Greece, 4 - 06 July 2018, pp.671-674
- VIII. **Wireless Body Area Network Studies for Telemedicine Applications Using IEEE 802.15.6 Standard**
Ozderya H. Y., ERDÖL H., KAYIKÇIOĞLU T., Yilmaz A. O., KAYA İ.
International Conference on Medical and Biological Engineering in Bosnia and Herzegovina (CMBEBIH), Sarajevo, Bosnia And Herzegovina, 16 - 18 March 2017, vol.62, pp.666-670
- IX. **Diversity performance of microstrip patch antennas placed on human body at ISM and MBAN frequencies**
Ozturk M. A., Tamer U., YILMAZ A. Ö., Ozdemir T., KAYA İ.
International Conference on Medical and Biological Engineering in Bosnia and Herzegovina (CMBEBIH), Sarajevo, Bosnia And Herzegovina, 16 - 18 March 2017, vol.62, pp.698-704
- X. **Real-Time Monitoring of ST Change for Telemedicine**
Kayikcioglu I., Akdeniz F., KAYIKÇIOĞLU T., KAYA İ.
International Conference on Medical and Biological Engineering in Bosnia and Herzegovina (CMBEBIH), Sarajevo, Bosnia And Herzegovina, 16 - 18 March 2017, vol.62, pp.671-677
- XI. **Telemonitoring in Turkey**
KAYA İ., KAYIKÇIOĞLU T.
ehealth summit austria, viyena, 24 May - 25 June 2016
- XII. **IEEE 802.15.4 ve IEEE 802.15.6 Standartlarında BER Başarımlarının Karşılaştırması Comparision of IEEE 802.15.4 and IEEE 802.15.6 Standard's BER Performances**
ERDÖL H., Özderya H. Y., Şişman C., KAYA İ.
Signal Processing and Communication Application Conference (SIU), 2016 24th, Zonguldak, Turkey, 16 - 19 May 2016, pp.1445-1448
- XIII. **Comparision of IEEE 802.15.4 and IEEE 802.15.6 Standard's BER Performances**
ERDÖL H., Ozderya H. Y., Sisman C., KAYA İ.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1445-1448
- XIV. **Using Wigner-Ville Distribution in ECG Arrhythmia Detection for Telemedicine Applications**
Akdeniz F., Kayikcioglu I., KAYA İ., KAYIKÇIOĞLU T.
39th International Conference on Telecommunications and Signal Processing (TSP), Vienna, Austria, 27 - 29 June 2016, pp.409-412
- XV. **BER Performance Comparision of IEEE 802.15.6 and IEEE 802.15.4 on PHY Layer**
ERDÖL H., Ozderya H. Y., Sisman C., KAYIKÇIOĞLU T., KAYA İ.
39th International Conference on Telecommunications and Signal Processing (TSP), Vienna, Austria, 27 - 29 June 2016, pp.108-111
- XVI. **Low Complexity, Lossless Differential Base Data Compression Method for Wireless Body Area Networks**
Sisman C., Ozderya H. Y., KAYA İ.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.2221-2224
- XVII. **Accuracy Comparison of Time Difference of Arrival Based Source Localization Methods**
ÇAKIR O., YAZGAN A., KAYA İ.
38. International Conference on Telecommunications and signal processing, Prag, Czech Republic, 9 - 11 July 2015, pp.1

- XVIII. **Fast convergence algorithm for blind channel estimation and equalization using CMF-DFE**
KAYA İ., TUĞCU E., Ozen A., Nix A. R.
81st IEEE Vehicular Technology Conference, VTC Spring 2015, Glasgow, United Kingdom, 11 - 14 May 2015,
vol.2015
- XIX. **Health-Monitoring System based Tele-tip for Elders**
Yildirim O., Ozgur R., KAYA İ., KAYIKÇIOĞLU T.
Medical Technologies National Conference (TIPTEKNO), Antalya, Turkey, 27 - 29 October 2016
- XX. **Fast Convergence Algorithm for Blind Channel Estimation and Equalization using CMF-DFE**
KAYA İ., TUĞCU E., ÖZEN A., Nix A. R.
81st IEEE Vehicular Technology Conference (VTC Spring), Glasgow, United Kingdom, 11 - 14 May 2015
- XXI. **Accuracy Comparison of Time Difference of Arrival Based Source Localization Methods**
ÇAKIR O., YAZGAN A., KAYA İ.
38th International Conference on Telecommunications and Signal Processing (TSP), Prague, Czech Republic, 9 - 11
July 2015
- XXII. **Accuracy Comparison of Time Difference of Arrival Based Source Localization Methods**
ÇAKIR O., YAZGAN A., KAYA İ.
Telecommunications and Signal Processing, Berlin, Germany, 1 - 03 July 2014, vol.37, no.1, pp.1-4
- XXIII. **Investigation the Effect of the Time Difference of Arrival Sets on the Positioning Accuracy for
Source Localization**
ÇAKIR O., KAYA İ., ÇAKIR Ö.
2014 IEEE 22nd Signal Processing and Communications Applications Conference (SIU 2014), Trabzon, Turkey, 23 -
25 April 2014, vol.22, pp.2249-2252
- XXIV. **Investigation the Effect of the Time Difference of Arrival Sets on the Positioning Accuracy for Source
Localization**
ÇAKIR O., KAYA İ., ÇAKIR Ö.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April
2014, pp.2249-2252
- XXV. **Low complexity, lossless ECG data compression algorithms for wireless sensor network Kablosuz
algılayıcı ağları için düşük karmaşıklıklı, kayipsiz EKG veri sıkıştırma algoritmaları**
ŞİMŞEK C., KAYA İ., ALBAYRAK C.
2013 21st Signal Processing and Communications Applications Conference, SIU 2013, Haspolat, Turkey, 24 - 26
April 2013
- XXVI. **Propagation Speed Free Emitter Location Finding using TDOA**
Cakir O., Kaya I., Yazgan A.
21st Telecommunications Forum (TELFOR), Belgrade, Serbia And Montenegro, 26 - 28 November 2013, pp.405-
407
- XXVII. **Investigation the Effect of the Distribution of Receivers on the Positioning Error for Emitter
Location Finding**
ÇAKIR O., KAYA İ.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- XXVIII. **Novel Automatic Modulation Classification Method Employing Higher-Order Cumulants and
Constellation Histogram in the Presence of CFO**
GÜNER A., Kaya I.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- XXIX. **Optimization of Receiver Arrangements for Emitter Location Finding using Time Difference of
Arrival**
ÇAKIR O., KAYA İ., YAZGAN A.
36th International Conference on Telecommunications and Signal Processing (TSP), Rome, Italy, 2 - 04 July 2013,
pp.376-379
- XXX. **Security and Power Consumption Comparisons of Wireless Sensor Networks**
KOYBASI Z., KAYA İ.

- 21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- XXXI. An Experimental Study on Blind Symbol Rate Estimation**
Guner A., KAYA İ.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- XXXII. Low Complexity, Losless ECG Data Compression Algoirthms for Wireless Sensor Network**
ŞİMŞEK C., KAYA İ., ALBAYRAK C.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- XXXIII. A novel PSO based blind channel estimation and equalization**
TUĞCU E., KAYA İ., ÖZEN A.
2012 20th Signal Processing and Communications Applications Conference (SIU), Mugla, Turkey, Turkey, 18 - 20 April 2012, pp.1-4
- XXXIV. Novel Cascaded Turbo-Permutation Coding for Frequency Selective Rayleigh Fading Channels**
Cakir F., TUĞCU E., ÖZEN A., KAYA İ.
35th International Conference on Telecommunications and Signal Processing (TSP), Prague, Czech Republic, 3 - 04 July 2012, pp.237-241
- XXXV. Novel Composite Method for Determining the Location of the Transmitter using Particle Swarm Optimization**
ÇAKIR O., YAZGAN A., ÇAKIR Ö., TUĞCU E., KAYA İ.
35th International Conference on Telecommunications and Signal Processing (TSP), Prague, Czech Republic, 3 - 04 July 2012, pp.335-339
- XXXVI. Different Perspective of Time Difference of Arrival Averaging**
ÇAKIR O., YAZGAN A., ÇAKIR Ö., KAYA İ.
35th International Conference on Telecommunications and Signal Processing (TSP), Prague, Czech Republic, 3 - 04 July 2012, pp.344-347
- XXXVII. Periodic Variation Method for Blind Symbol Rate Estimation**
Guner A., KAYA İ.
22nd IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC), Toronto, Canada, 11 - 14 September 2011, pp.147-151
- XXXVIII. Çok Taşıyıcılı WiMAX Radyoda Çift İkili Turbo Kodlayıcı ile Klasik Kodlayıcıların BER Başarım Analizleri**
TUĞCU E., ÇAKIR O., GÜNER A., ÖZEN A., KAYA İ.
Haberleşme Teknolojileri ve Uygulamaları Sempozyumu, İstanbul, Turkey, 26 - 29 December 2009, vol.3, pp.9-14
- XXXIX. Pasif Tutarlı Konumlandırma Sistemlerinde TDOA Ölçüm Doğruluğunun Hedef Takibi Üzerindeki Etkisinin İncelenmesi**
ÇAKIR O., ÇAKIR Ö., ÇAKIR F., ÖZEN A., KAYA İ.
Haberleşme Teknolojileri ve Uygulamaları Sempozyumu, İstanbul, Turkey, 9 - 11 December 2009, vol.3, pp.121-126
- XL. Experimental BER performance evaluation for single-carrier WiMax radio in 3.5 GHz Tek-taşıyıcılı WiMax radyonun 3.5 GHz'de BER performansının deneysel olarak elde edilmesi**
TÜRK K., KAYA İ., KAHVECİ S., Şimşek C., YAZGAN A.
2009 IEEE 17th Signal Processing and Communications Applications Conference, SIU 2009, Antalya, Turkey, 9 - 11 April 2009, pp.400-403
- XLI. Comparative Study of Supervised and Blind Training Techniques for Communication Systems**
TUĞCU E., ÇAKIR O., GÜNER A., ÖZEN A., KAYA İ.
International Computer Instructional Technologies Symposium, Trabzon, Turkey, 1 - 03 October 2009, vol.3, pp.1-4
- XLII. Çok Taşıyıcılı Gerçek Zaman WiMAX Radyoda Zaman Bölgesi ve Frekans Bölgesi Kanal Denkleştiricilerin Teorik ve Deneysel BER Başarım Analizleri**
TUĞCU E., ÇAKIR O., GÜNER A., ÖZEN A., SOYSAL B., KAYA İ.
İletişim Teknolojileri ve Ulusal Sempozyumu, Adana, Turkey, 1 - 03 October 2009, vol.4, pp.31-36
- XLIII. Neural Network Based Learning and RF Probing Measurements using Non-Specific Mode Wave Guide**
ÇAKIR O., TUĞCU E., ŞİMŞEK C., YAZGAN A., KAYA İ.
International Symposium on Innovations in Intelligent Systems and Applications, Trabzon, Turkey, 29 June - 01 July

- 2009, vol.4, pp.342-348
- XLIV. **Tek Taşıyıcılı Gerçek Zaman WiMAX Radyo için Kör Uyarlanır Denkleştirme Algoritmalarının Deneysel Başarımları**
ÖZEN A., GÜNER A., ÇAKIR O., TUĞCU E., SOYSAL B., KAYA İ.
Signal Processing and Communications Applications Conference, Antalya, Turkey, 9 - 11 April 2009, vol.17, pp.472-475
- XLV. **Experimental Performances of Blind Adaptive Equalization Algorithms for Single Carrier Real-Time WiMAX Radio**
Ozen A., Guner A., Cakir O., Tugcu E., Soysal B., Kaya I.
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, 9 - 11 April 2009, pp.706-707
- XLVI. **Experimental BER Performance Evaluation for Single-Carrier WiMax Radio in 3.5 GHz**
TÜRK K., KAYA İ., KAHVECİ S., Simsek C., YAZGAN A.
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, 9 - 11 April 2009, pp.642-645
- XLVII. **A Novel Approach for Blind Channel Equalization**
OZEN A., GÜNER A., ÇAKIR Ö., TUĞCU E., Soysal B., KAYA İ.
4th International Conference on Intelligent Computing, Shanghai, China, 15 - 18 September 2008, vol.5227, pp.347-349
- XLVIII. **A Fuzzy Logic Based Adaptive Whitening for Blind Channel Equalization**
Oezen A., Tugcu E., Soysal B., Kaya I.
IEEE 16th Signal Processing and Communications Applications Conference, Aydin, Turkey, 20 - 22 April 2008, pp.619-620
- XLIX. **Experimental BER performance evolution of equalizations and Matched Filter Bounds for single-carrier WiMax radio in 3.5 GHz**
TÜRK K., KAYA İ.
IEEE Wireless Communications and Networking Conference, Nevada, United States Of America, 31 March - 03 April 2008, pp.2015-2020
- L. **Implementation of initialized LMS equalizer using TI C6201 DSP processors İlklenendirilmiş LMS denkleştiricisinin TI C6201 DSP işlemcisi kullanarak gerçekleştirilmesi**
TÜRK K., KAYA İ., KAHVECİ S.
2007 IEEE 15th Signal Processing and Communications Applications, SIU, Eskişehir, Turkey, 11 - 13 June 2007
- LI. **Elektromanyetik Alanların in Vitro Ortamda Periferik Kan Mononüklear Hücreler Üzerine Etkileri**
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Supported Projects

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KAYA İ., Other International Funding Programs, WLAN research advisorship, 2000 - 2000

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Memberships / Tasks in Scientific Organizations

IEICE, Member, 2006 - Continues

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Metrics

Publication: 90

Citation (WoS): 98

Citation (Scopus): 157

H-Index (WoS): 5

H-Index (Scopus): 6

Congress and Symposium Activities

International Conference on Telecommunications and Signal Processing (TSP), Attendee, Wien, Austria, 2016

VTC 2015 Spring, Attendee, United Kingdom, 2015

TSP2014, Attendee, Berlin, Germany, 2014

SIU 2013, Attendee, Lefkoşa, Cyprus (Kktc), 2013

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