

ÖZGEÇMİŞ

1. **Adı Soyadı:** Ahmet Rizaner
2. **Doğum Tarihi:** 1 Şubat 1974
3. **Unvanı:** Prof. Dr.
4. **Öğrenim Durumu:** Doktora

| Derece | Alan | Üniversite | Yıl |
|-----------|-------------------------------------|---------------------------|------|
| Lisans | Elektrik ve Elektronik Mühendisliği | Doğu Akdeniz Üniversitesi | 1996 |
| Y. Lisans | Elektrik ve Elektronik Mühendisliği | Doğu Akdeniz Üniversitesi | 1998 |
| Doktora | Elektrik ve Elektronik Mühendisliği | Doğu Akdeniz Üniversitesi | 2004 |

5. Akademik Unvanlar:

Yardımcı Doçentlik Tarihi : 01.01.2007
Doçentlik Tarihi : 01.04.2013
Profesörlük Tarihi : 06.03.2019

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri

1. Ali Varshosaz, Impact of Different Modulation Schemes on Millimeter Wave Cellular Systems, MS in Electrical and Electronics Engineering, (eş danışman Prof. Dr. Hasan Amca) tamamlandı (Eylül 2018).
2. Sepehr Ashtari Nakhaei, Channel Estimation for Millimeter Wave Cellular Systems, MS in Electrical and Electronics Engineering, (eş danışman Doç. Dr. Ali Hakan Ulusoy), tamamlandı (Ocak 2018)
3. Belma Korkuter, Energy Consumption Analysis for Mobile Ad Hoc Routing Protocols, MS in Computer Engineering, (eş danışman Doç. Dr. Hakan Ulusoy), tamamlandı (Haziran 2016)
4. Shahrzad Kaviani, Performance of DVB-T System under Multipath Fading with LS Channel Estimation and Equalization, MS in Electrical and Electronics Engineering, (eş danışman Prof. Dr. Hasan Amca), tamamlandı (Haziran 2015)
5. Ghassan Amanuel Saleem Qas Marrogy, Performance Analysis Of Routing Protocols Using Http Traffic In Manet Using Opnet Simulator, MS in Electrical and Electronics Engineering, (eş danışman. Doç. Dr. Ali Hakan Ulusoy), tamamlandı (Temmuz 2015)
6. Ahmed Oluwaseyi Oyedele, Hybrid Precoding in Millimeter Wave MIMO-OFDM Systems, MS in Electrical and Electronic Engineering, MS in Electrical and Electronics Engineering, (eş danışman Doç. Dr. Ali Hakan Ulusoy) devam ediyor.

6.2. Doktora Tezleri

1. Ahmed Mohamed Ahmed, Post-Pruning Decision Tree Algorithms Based on Bayes Minimum Risk and Loss Minimization, PhD in Applied Mathematics and Computer Science (eş danışman: Doç. Dr. Ali Hakan Ulusoy), tamamlandı (Mayıs 2018).
2. Erfan A. Shams, Support Vector Machine Based Intrusion Detection System for Vehicular Ad Hoc Networks (VANETs), PhD in Applied Mathematics and Computer Science (eş danışman Doç. Dr. Ali Hakan Ulusoy), devam ediyor.
3. Lara Mohammad Hamza Shhab, Impact of Impulsive Noise on Millimeter Wave Cellular Systems Performance, PhD in Electrical and Electronics Engineering, (eş danışman Doç. Dr. Ali Hakan Ulusoy), devam ediyor.
4. Mustafa Mulla, Multi-User Millimeter Wave Systems, PhD in Electrical and Electronics Engineering, (eş danışman Doç. Dr. Ali Hakan Ulusoy), devam ediyor.

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI-E, SCI, SSCI & Arts and Humanities)

1. Mustafa Mulla, Ali Hakan Ulusoy, Ahmet Rizaner and Hasan Amca. "Barzilai-Borwein Gradient Algorithm based Alternating Minimization for Single User Millimeter Wave Systems." *IEEE Wireless Communications Letters*, vol. 9, no. 4, pp.1-5, August 2020, doi:10.1109/LWC.2019.2960691.
2. Ahmed Mohamed Ahmed, Ali Hakan Ulusoy and Ahmet Rizaner, "A Post-Pruning Decision Algorithm based on Loss Minimization", *Turkish Journal of Electrical Engineering & Computer Sciences*, vol. 27, pp. 2624-2635, July 2019, doi:10.3906/elk-1901-100.
3. Fatma B. Rizaner and Ahmet Rizaner, "Approximate Solutions of Initial Value Problems for Ordinary Differential Equations Using Radial Basis Function Networks", *Neural Processing Letters*, vol. 48, no. 2, pp. 1063-1071, October 2018.
4. Erfan A. Shams, Ahmet Rizaner and Ali Hakan Ulusoy, "Trust Aware Support Vector Machine Intrusion Detection and Prevention System in Vehicular Ad hoc Networks", *Computers & Security*, vol. 78, pp. 245-254, September 2018.
5. Erfan A. Shams and Ahmet Rizaner, "A novel support vector machine based intrusion detection system for mobile ad hoc networks", *Wireless Networks*, vol. 24, no. 5, pp. 1821-1829, July 2018.
6. Ayman M. Ahmed, Ahmet Rizaner and Ali Hakan Ulusoy, "A novel decision tree classification based on post-pruning with Bayes minimum risk.", *PLOS ONE*, vol.13, no. 4, e0194168 , April 2018.
7. Ahmet Rizaner, "A subspace channel estimation method for IDMA in 5G systems", *Optik - International Journal for Light and Electron Optics*, 2017, vol.148, pp. 251-255, November 2017.
8. Ahmet Rizaner, Ali Hakan Ulusoy and Hasan Amca, "Adaptive fuzzy assisted detector under impulsive noise for DVB-T systems", *Optik - International Journal for Light and Electron Optics*, vol.127, no. 13, pp. 5196-5199, July 2016.
9. Ahmet Rizaner, "Radial basis function network assisted single-user channel estimation by using a linear minimum mean square error detector under impulsive noise", *Computers and Electrical Engineering*, vol. 39, no. 4, pp. 1288–1299, May 2013.
10. Ahmet Rizaner and Ali Hakan Ulusoy, "Robust Channel Estimation Under Impulsive Noise for Multipath Fading CDMA Systems", *Wireless Personal Communications*, vol. 69, no. 4 , pp. 1427-1433, April 2013.
11. Ahmet Rizaner, Ali Hakan Ulusoy, Hasan Amca and Kadri Hacıoğlu, "An Adaptive Least Squares Channel Estimation Based on Conjugate Gradient Approach for Multipath Fading CDMA Systems", *Computers and Electrical Engineering*, vol. 37, no. 6, pp. 1082-1089, November 2011.
12. Ali Hakan Ulusoy and Ahmet Rizaner, "RBF Network Assisted Adaptive Path Selective Decorrelating Detector under Impulsive Noise for Multipath Fading CDMA Systems", *Annals of telecommunications*, vol. 66, no. 5-6, pp. 357-361, May 2011.
13. Ali Hakan Ulusoy and Ahmet Rizaner, "Adaptive Path Selective Fuzzy Decorrelating Detector under Impulsive Noise for Multipath Fading CDMA Systems", *IEEE Communications Letters*, vol. 12, no. 4, pp. 228-230, April 2008.
14. Ahmet Rizaner, Hasan Amca, Kadri Hacıoğlu, Ali Hakan Ulusoy and Ansgar Scherb, "Iterative Near-Far Resistant Channel Estimation by using a Linear Minimum Mean Squared Error Detector", *Wireless Personal Communications*, vol. 42, no. 4, pp. 537-542, September 2007.
15. Hasan A. Amca, Ahmet Rizaner, Kadri Hacıoğlu and Ali Hakan Ulusoy, "Training Sequence Aided Signature Waveform Estimation", *Kluwer Wireless Personal Communications*, vol. 36, no. 1, pp. 45-57, January 2006.
16. Ali Hakan Ulusoy, Ahmet Rizaner, Kadri Hacıoğlu and Hasan Amca, "Performance Analysis of Adaptive Path Selective Decorrelating Detector with Channel Estimation Errors", *Kluwer Wireless Personal Communications*, vol. 35, no. 3, pp. 321-327, November 2005.
17. Ahmet Rizaner, Hasan Amca, Kadri Hacıoğlu and Ali Hakan Ulusoy, "Channel Estimation by Using Short Training Sequences in CDMA Systems", *Kluwer Wireless Personal Communications*, vol. 34, no. 4, pp. 359-371, Sep 2005.

18. Ahmet Rizaner, Hasan A. Amca, Kadri Hacıoğlu and Ali Hakan Ulusoy, "A Decision Aided Channel Estimation Scheme", AEU - International Journal of Electronics and Communications, vol. 59, no. 5, pp. 324-327, July 2005.
19. Ali Hakan Ulusoy, Ahmet Rizaner, Kadri Hacıoğlu and Hasan Amca, "The Adaptive Path Selective Decorrelating Detector: Performance Analysis with Channel Estimation Errors", Signal Processing, vol. 84, no. 10, pp.1909-1917, October 2004.
20. Ali Hakan Ulusoy, Hasan Amca, Kadri Hacıoğlu and Ahmet Rizaner, "A Decorrelating Detector for Asynchronous CDMA Channels with Adaptive Path Selection", IEE Proceedings – Communications, vol. 149, no. 03, pp.167-170, June 2002.
21. Ali Hakan Ulusoy, Hasan Amca, Kadri Hacıoğlu and Ahmet Rizaner, "Multipath Decorrelating Receiver Using Adaptive Path Selection for Synchronous CDMA Frequency-Selective Fading Channels", IEE Electronics Letters, vol. 36, no. 22, pp.1877-1879, October 2000.

7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

1. Ayman M. Ahmed, Ahmet Rizaner and Ali Hakan Ulusoy, "Using data mining to predict instructor performance", ICAFS 2016, Procedia Computer Science, vol. 102, pp. 137-142, October 2016.
2. Shahrzad Kavani-rad, Ahmet Rizaner and Hasan Amca, "Channel Estimation and Equalization of DVB-T in Fast Fading Multipath Channels," Lecture Notes on Information Theory, vol. 3, no. 2, pp. 81-85, December 2015.

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (*Proceedings*) basılan bildiriler

1. Ayman M. Ahmed, Ahmet Rizaner and Ali Hakan Ulusoy, "A Decision Tree Algorithm Combined with Linear Regression for Data Classification", ICCCEEE18, IEEE International Conference on Computer, Control, Electrical, and Electronics Engineering 2018, Khartoum, Sudan, 12-14 August 2018.
2. Lara Mohammad Hamza Shhab, Ahmet Rizaner, Ali Hakan Ulusoy and Hasan Amca, "Impact of Impulsive Noise on Millimeter Wave Cellular Systems Performance", UCMMT 2017, 10th UK-Europe-China Workshop on Millimetre Waves and Terahertz Technologies, Liverpool-United Kingdom, 11-13 September 2017.
3. Ayman M. Ahmed, Ahmet Rizaner and Ali Hakan Ulusoy, "Using data mining to predict instructor performance", ICAFS 2016, 20th International Conference on Application of Fuzzy Systems and Soft Computing, Vienna, Austria, 29-30 August 2016.
4. Ahmet Rizaner, Hasan Amca, Kadri Hacıoğlu, Ali Hakan Ulusoy and Ansgar Scherb, "An Adaptive Near-far Resistant Single-user Channel Estimation Algorithm for Multipath Fading DS-CDMA Systems", ICWMC 2006, International Conference on Wireless and Mobile Communications, Bucharest, Romania, 29-31 July 2006.
5. Ahmet Rizaner, Hasan Amca, Kadri Hacıoğlu and Ali Hakan Ulusoy, "Iterative Least Squares Channel Estimation in Frequency Selective CDMA Systems", AICT06, Advanced International Conference on Telecommunications, Guadeloupe - French Caribbean, 19-22 February 2006.
6. Ali Hakan Ulusoy, Ahmet Rizaner, Kadri Hacıoğlu and Hasan Amca, "Performance Analysis of the Path Selective Decorrelating Detector with a Maximum Likelihood Channel Estimator", European Wireless 2002, EW2002, Florence-Italy, 25-28 February 2002.
7. Ahmet Rizaner, Kadri Hacıoğlu, Hasan Amca and Ali H. Ulusoy, "Signature Waveform Estimation by Using Short Training Sequences", Third International Conference on Information, Communications & Signal Processing, ICICS2001, Singapore, 15-18 October 2001.
8. Ahmet Rizaner, Hasan Amca, Ali H. Ulusoy and Kadri Hacıoğlu, "Channel Estimation Using Short Training Sequences", IEEE Vehicular Technology Conference, VTC 2000, Boston-USA, 24 Sep. 2000.
9. Ali H. Ulusoy, Hasan Amca, Ahmet Rizaner and Kadri Hacıoğlu, "Adaptive Path Selective Linear Multipath-Decorrelating Receiver for CDMA Frequency-Selective Fading Channels", IEEE Vehicular Technology Conference, VTC 2000, Boston-USA, 24 Sep. 2000.

7.4. Yazılan uluslararası kitaplar veya kitaplarda bölümler

7.5. Ulusal hakemli dergilerde yayınlanan makaleler

1. Ahmet Rizaner and Ali Hakan Ulusoy, "On a Subspace Training Method for Dispersive DS-CDMA Channels", Aksaray University Journal of Science and Engineering, vol. 1, no. 2, pp. 79-84, December 2017, doi: 10.29002/asujse.314257.
2. Belma Korkuter, Ali Hakan Ulusoy and Ahmet Rizaner, "Gezgin Tasarsız Ağ Yönlendirme Protokollerinde Enerji Tüketim Değerlendirilmesi", Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol. 21, no. 4, pp. 584-591, August 2017, doi: 10.16984/saufenbilder.221335.
3. Ali Hakan Ulusoy, Hasan Amca, Kadri Hacıoğlu and Ahmet Rizaner, "Eszamanlı Frekans-Secici KBCE Sonumlu Kanallar için Yol Secimli Cokyollu Tersiliskileyici Alıcı", İstanbul Üniversitesi Mühendislik Fakültesi Elektrik-Elektronik Dergisi, vol. 1, no. 1, pp.130-134, 2001-2002.

9.6. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

1. Osman Soykalan, Ahmet Rizaner and Ali Hakan Ulusoy, "SBÇE ve KBÇE Sistemlerinde Kapasite ve Performans Karşılaştırması", Proceedings of IEEE SIU'2013, Girne-T.R.N.C., 24-26 April 2013.
2. Ahmet Rizaner, Hasan Amca, Kadri Hacıoğlu and Ali Hakan Ulusoy, "Karar Destekli Kanal Kestirim", The Proceedings of SIU'2003, İstanbul-Turkey, 18-20 June 2003.
3. Ahmet Rizaner, Kadri Hacıoğlu, Hasan Amca and Ali Hakan Ulusoy, "Kısa Eğitici Diziler Kullanarak Kanal Kestirimi ve Sinyal Algılanması Başarım Analizi", The Proceedings of SIU'2001, Gazimağusa-KKTC, 25-27 April 2001.
4. Ali Hakan Ulusoy, Ahmet Rizaner, Kadri Hacıoğlu and Hasan Amca, "En Büyük Olabilirlikli Kanal Kestirimi Kullanan Yol Seçimli Tersiliskileyici Alıcı Başarım Analizi", The Proceedings of SIU'2001, Gazimağusa-KKTC, 25-27 April 2001.
5. Ali H. Ulusoy, Hasan Amca, Ahmet Rizaner and Kadri Hacıoğlu, "Eszamansız KBÇE Kanalları için Uyarlanabilir Yol Seçimli Doğrusal Çokyollu Tersiliskileyici Alıcı", Sinyal İşleme ve Uygulamaları Kurultayı, SIU'2000, Belek-Türkiye, 12-15 Haziran 2000.
6. Ahmet Rizaner, Hasan Amca, Ali H. Ulusoy and Kadri Hacıoğlu, "Kısa Eğitici Dizilerle Kanal Kestirimi", Sinyal İşleme ve Uygulamaları Kurultayı, SIU'2000, Belek-Türkiye, 12-15 Haziran 2000.
7. Hasan A. Amca, Ahmet Rizaner, Ali H. Ulusoy, and Kadri Hacıoğlu " Linear Multipath Decorrelating Receiver with Blind Channel Estimation in Asynchronous CDMA Systems", The proceedings of SIU'99, Ankara, 16-19 June 1999.

7.7. Diğer yayınlar

7.8. Uluslararası atıflar

| | Yayın Bilgisi | Atıf Sayısı |
|---|--|-------------|
| 1 | A novel support vector machine based intrusion detection system for mobile ad hoc networks | 43 |
| 2 | Using data mining to predict instructor performance | 23 |
| 3 | Channel estimation by using short training sequences in CDMA systems | 13 |
| 4 | Channel estimation using short training sequences | 12 |

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| 5 | Decorrelating detector for asynchronous CDMA channels with adaptive path selection | 9 |
| 6 | Adaptive path selective fuzzy decorrelating detector under impulsive noise for multipath fading CDMA systems | 8 |
| 7 | Trust Aware Support Vector Machine Intrusion Detection and Prevention System in Vehicular Ad hoc Networks | 7 |
| 8 | Radial basis function network assisted single-user channel estimation by using a linear minimum mean square error detector under impulsive noise | 6 |
| 9 | Impact of impulsive noise on millimeter wave cellular systems performance | 5 |
| 10 | A novel decision tree classification based on post-pruning with Bayes minimum risk | 4 |
| 11 | Multipath-decorrelating receiver using adaptive path selection for synchronous CDMA frequency-selective fading channels | 4 |
| 12 | Iterative least squares channel estimation in frequency selective CDMA systems | 3 |
| 13 | The adaptive path selective decorrelating detector: performance analysis with channel estimation errors | 3 |
| 14 | Approximate Solutions of Initial Value Problems for Ordinary Differential Equations Using Radial Basis Function Networks | 2 |
| 15 | Iterative near-far resistant channel estimation by using a linear minimum mean squared error detector | 2 |
| 16 | Performance analysis of adaptive path selective decorrelating detector with channel estimation errors | 2 |
| 17 | Signature waveform estimation by using short training sequences | 2 |
| 18 | Adaptive path selective linear multipath-decorrelating receiver for CDMA frequency-selective fading channels | 2 |
| 19 | Capacity and performance comparison of IDMA and CDMA systems | 1 |
| 20 | Robust channel estimation under impulsive noise for multipath fading CDMA systems | 1 |
| 21 | Training sequence aided signature waveform estimation | 1 |

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| 22 | A decision aided channel estimation scheme | 1 |
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8. Ulusal & Uluslararası Projeler

9. İdari Görevler

1. LİSANSÜSTÜ EĞİTİM ÖĞRETİM VE ARAŞTIRMA ENSTİTÜSÜ MÜDÜR YARDIMCISI:
04/12/2019 - 04/12/2020
2. LİSANSÜSTÜ EĞİTİM ÖĞRETİM VE ARAŞTIRMA ENSTİTÜSÜ MÜDÜR YARDIMCISI:
03/12/2018 - 03/12/2019
3. LİSANSÜSTÜ EĞİTİM ÖĞRETİM VE ARAŞTIRMA ENSTİTÜSÜ MÜDÜR YARDIMCISI:
01/12/2015 - 01/12/2018
4. BİLGİSAYAR TEKNOLOJİSİ VE BİLİŞİM SİSTEMLERİ BÖLÜM KOORDİNATÖRÜ: 07/01/2008
- 10/12/2013

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

11. Ödüller

1. 2019 Yılı Yayın Başarı Plaket Ödülü, Bilgisayar ve Telnoloji Yüksek Okulu, Doğu Akdeniz Üniversitesi, 2019.
2. 2018 Yılı Araştırmacı Teşvik Ödülü, Doğu Akdeniz Üniversitesi, 2019.
3. 2017 Yılı Araştırmacı Teşvik Ödülü, Doğu Akdeniz Üniversitesi, 2018.
4. A postpruning decision algorithm based on loss minimization TÜBİTAK Uluslararası Bilimsel Yayınları Teşvik Programını (UBYT) Yayın Teşvik ödülü, TÜBİTAK, Eylül 2019.
5. Approximate Solutions of Initial Value Problems for Ordinary Differential Equations Using Radial Basis Function Networks, TÜBİTAK Uluslararası Bilimsel Yayınları Teşvik Programını (UBYT) Yayın Teşvik ödülü, TÜBİTAK, Ekim 2018.
6. A novel support vector machine based intrusion detection system for mobile ad hoc networks, TÜBİTAK Uluslararası Bilimsel Yayınları Teşvik Programını (UBYT) Yayın Teşvik ödülü, TÜBİTAK, Temmuz 2018.
7. A subspace channel estimation method for IDMA in 5G systems, TÜBİTAK Uluslararası Bilimsel Yayınları Teşvik Programını (UBYT) Yayın Teşvik ödülü, TÜBİTAK, Kasım 2017.
8. Radial basis function network assisted single-user channel estimation by using a linear minimum mean square error detector under impulsive noise, TÜBİTAK Uluslararası Bilimsel Yayınları Teşvik Programını (UBYT) Yayın Teşvik ödülü, TÜBİTAK, Ağustos 2013.
9. Robust Channel Estimation Under Impulsive Noise for Multipath Fading CDMA Systems, TÜBİTAK Uluslararası Bilimsel Yayınları Teşvik Programını (UBYT) Yayın Teşvik ödülü, TÜBİTAK, Haziran 2013.
10. Adaptive Path Selective Fuzzy Decorrelating Detector under Impulsive Noise for Multipath Fading CDMA Systems, TÜBİTAK Uluslararası Bilimsel Yayınları Teşvik Programını (UBYT) Yayın Teşvik ödülü, TÜBİTAK, Haziran 2008.

12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

| Akademik Yıl | Dönem | Dersin Adı | Haftalık Saati | | Öğrenci Sayısı |
|--------------|-------|--------------------------------|----------------|----------|----------------|
| | | | Teorik | Uygulama | |
| 2018-2019 | Güz | Digital Logic Design (ITEC259) | 3 | 2 | 21 |

| | | | | | |
|-----------|--------------|---|---|---|----|
| | | Neural Computations (ITEC560) | 3 | 0 | 8 |
| | Bahar | Digital Logic Design (ITEC259) | 3 | 2 | 31 |
| | | Introduction to Neural Networks (ITEC460) | 3 | 1 | 10 |
| 2019-2020 | Güz | Digital Logic Design (ITEC259) | 3 | 2 | 30 |
| | Bahar | Digital Logic Design (ITEC259) | 3 | 2 | - |
| | | Introduction to Neural Networks (ITEC460) | 3 | 1 | - |