

## ÖZGEÇMİŞ

- 1. Adı Soyadı** : Didem KIVANÇ TÜRELİ
- 2. Doğum Tarihi** :
- 3. Unvanı** : Dr.Öğr.Üyesi
- 4. Öğrenim Durumu** : Doktora
- 5. Çalıştığı Kurum** : İstanbul Okan Üniversitesi

Derece	Alan	Üniversite	Yıl
Lisans	ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ	BOĞAZIÇI ÜNİVERSİTESİ	1994
Yüksek Lisans		University of Surrey, İNGİLTERE	1995
Doktora		University of Washington, AMERİKA BİRLEŞİK DEVLETLERİ	2005

### 5. Akademik Unvanlar

- Yardımcı Doçentlik Tarihi :  
Doçentlik Tarihi :  
Profesörlük Tarihi :

### 6. Yönetilen Yüksek Lisans ve Doktora Tezleri

#### 6.1. Yüksek Lisans Tezleri

Usman Ali, Effects of Traffic Load Profiles on Dimensioning and Cost of Energy Harvesting Standalone Base Station, , , 2016.

AZAM ISAM ABDULKAREEM ALADWANI, ENERGY EFFICIENCY BY REDUCING INTERFERENCE IN WIRELESS SENSOR NETWORKS USING OFDM, İstanbul Okan Üniversitesi, Fen Bilimleri Enstitüsü, 2020.

SOHAIB MAHMOOD BAKR ALYOUZBAKY, MEASUREMENT AND NODE PLACEMENT FOR INTERFERENCE REDUCTION IN A SMART HOME IOT NETWORK, İstanbul Okan Üniversitesi, Fen Bilimleri Enstitüsü, 2020.

RASHEED MOHAMMED ABD ALQAWI ALSHALWE, Comparison of deep learning and conventional receiver design for a NOMA OFDM system, İstanbul Okan Üniversitesi, Lisansüstü Eğitim Enstitüsü, 2022.

AYA ABDULLAH IBRAHİM ISMAEL, STUDY OF A SMARTER AQM ALGORITHM TO REDUCE NETWORK DELAY, İstanbul Okan Üniversitesi, Fen Bilimleri Enstitüsü, 2022.

ZAINAB ABDULHUSSEIN NOORI QASSAB, OFDM tabanlı V2V sisteminin rayleigh ve weibull sönümlmeli kanallarında performanslarının karşılaştırılması, İstanbul Okan Üniversitesi, Fen Bilimleri Enstitüsü, 2022.

FAHAD IHSAN KHAN, An efficient & less complex solution to mitigate impulsive noise in multi-channel feed-forward anc system with online secondary path modeling (OSPM), İstanbul Okan Üniversitesi, Fen Bilimleri Enstitüsü, 2023.

AHMED TALAB HUSSEIN HUSSEIN, DEEP LEARNING BASED SPECTRUM SENSING FOR COGNITIVE RADIO SYSTEMS, İstanbul Okan Üniversitesi, Lisansüstü Eğitim Enstitüsü, 2023.

ABDIRAHMAN ABDIKARIM HUSSEIN, Hybrid analog-digital beamforming for massive MIMO systems, İstanbul Okan Üniversitesi, Lisansüstü Eğitim Enstitüsü, 2023.

HAYDER SAMI ABBAS AL GBURI, Investigation of visible light communication channel performance under different noise level conditions, İstanbul Okan Üniversitesi, Lisansüstü Eğitim Enstitüsü, 2023.

AHMED ABDULSTAR ABDULRAHMAN ABDALI, Design of textile patch antenna for mobile communications, İstanbul Okan Üniversitesi, Lisansüstü Eğitim Enstitüsü, 2023.

TAMAM SAMEER ABDULAZEEZ AL RAWI, A HIGH EFFICIENCY FRACTAL RECTENNA FOR GREEN ENERGY HARVESTING, İstanbul Okan Üniversitesi, Lisansüstü Eğitim Enstitüsü, 2023.

DARSHALI RAJUBHAI PATEL, "Noise Analysis in Visible light communication system using MATLAB", İstanbul Okan Üniversitesi, Lisansüstü Eğitim Enstitüsü, 2024.

AHMED DHAHIR HABEEB ALEDAIN, DEEP LEARNING ALGORITHMS FOR RESOURCE ALLOCATION IN MIMO NETWORK WITH INTELLIGENT REFLECTIVE SURFACES, İstanbul Okan Üniversitesi, Lisansüstü Eğitim Enstitüsü, 2024.

## **6.2. Doktora Tezleri**

## **7. Yayınlar**

### **7.1. Uluslararası hakemli dergilerde yayınlanan makaleler**

TÜRELİ MEHMET SERDAR UFUK, KIVANÇ TÜRELİ DİDEM, Liu Hui, Experimental and analytical studies on a high-resolution OFDM carrier frequency offset estimator, IEEE Transactions on Vehicular Technology, 2001.

KIVANÇ TÜRELİ DİDEM, Li Guoqing, Liu Hui, Computationally efficient bandwidth allocation and power control for OFDMA, IEEE Transactions on Wireless Communications, 2003.

ZEYDAN ENGIN,KIVANÇ TÜRELİ DİDEM,TÜRELİ MEHMET SERDARUFUK,Comaniciu Cristina, Joint iterative beamforming and power adaptation forMIMO ad hoc networks, EURASIP Journal on Wireless Communications andNetworking, 2011.

ZEYDAN ENGIN,KIVANÇ TÜRELİ DİDEM,TÜRELİ MEHMET SERDAR UFUK,Cristina Comaniciu, Energy efficient routing for correlated data in wireless sensor networks, Ad Hoc Networks, 2012.

Khiarullah A K,TÜRELİ MEHMET SERDAR UFUK,KIVANÇ TÜRELİ DİDEM, Optimized Intelligent Design for Smart Systems Hybrid Beamforming and Power Adaptation Algorithms for Sensor Networks Decision-Making Approach, International Journal of Computational Intelligence Systems, 2019.

**7.2.** Ulusal hakemli dergilerde yayınlanan makaleler

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

KIVANÇ TÜRELİ DİDEM, Blind Symbol Detection of Coded Sequences, Conference on Information Sciences and Systems,1998.

KIVANÇ TÜRELİ DİDEM,Liu Hui, Uplink performance of MC-CDMA in the presence of frequency offset, Gateway to 21st Century Communications Village. VTC 1999-Fall. IEEE VTS 50th Vehicular Technology Conference (Cat. No.99CH36324),1999.

TÜRELİ MEHMET SERDAR UFUK,KIVANÇ TÜRELİ DİDEM,Liu Hui, Channel estimation for multicarrier CDMA, 2000 IEEE International Conference on Acoustics, Speech, and Signal Processing. Proceedings (Cat. No.00CH37100),2000.

KIVANÇ TÜRELİ DİDEM,Liu Hui, Subcarrier allocation and power control for OFDMA, Conference Record of the Thirty-Fourth Asilomar Conference on Signals, Systems and Computers (Cat. No.00CH37154),2000.

TÜRELİ MEHMET SERDAR UFUK,KIVANÇ TÜRELİ DİDEM,Liu Hui, MC-CDMA uplink-blind carrier frequency offset estimation, Conference Record of the Thirty-Fourth Asilomar Conference on Signals, Systems and Computers (Cat. No.00CH37154),2000.

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Abdalla Yaser,KIVANÇ TÜRELİ DİDEM,Liu Hui, PRMA with reservation subframe protocol for multimedia services in mobile communication networks, GLOBECOM'xx01. IEEE Global Telecommunications Conference (Cat. No.01CH37270),2001.

TÜRELİ MEHMET SERDAR UFUK,KIVANÇ TÜRELİ DİDEM,Liu Hui, Multicarrier synchronization with diversity, IEEE 54th Vehicular Technology Conference. VTC Fall 2001. Proceedings (Cat. No.01CH37211),2001.

TÜRELİ MEHMET SERDAR UFUK,Resul Ambati,KIVANÇ TÜRELİ DİDEM,Liu Hui, Performance analysis of OFDM carrier synchronization with diversity, Proceedings IEEE 56th Vehicular Technology Conference,2002.

KIVANÇ TÜRELİ DİDEM,TÜRELİ MEHMET SERDAR UFUK,Liu Hui, Capacity improvement for uplink OFDMA, Conference Record of the Thirty-Sixth Asilomar Conference on Signals, Systems and Computers, 2002.,2002.

Patel Nehaben,KIVANÇ TÜRELİ DİDEM,TÜRELİ MEHMET SERDAR UFUK, The effect of frequency offset on the multiple antennas receiver initiated busy tone medium access (MARI-BTMA) protocol, MILCOM 2006,2006.

KIVANÇ TÜRELİ DİDEM,TÜRELİ MEHMET SERDAR UFUK,Liu Hui, Fair Resource Allocation in an Uplink OFDMA System, 2007 IEEE Wireless Communications and Networking Conference,2007.

Kamakaris Theodoros,KIVANÇ TÜRELİ DİDEM,TÜRELİ MEHMET SERDAR UFUK, Opportunistic Spectral Reuse in Cellular Systems, 2007 IEEE 18th International Symposium on Personal, Indoor and Mobile Radio Communications,2007.

Kamakaris Theodoros,KIVANÇ TÜRELİ DİDEM,TÜRELİ MEHMET SERDAR UFUK, Interference Model for Cognitive Coexistence in Cellular Systems, IEEE GLOBECOM 2007-2007 IEEE Global Telecommunications Conference,2007.

KIVANÇ TÜRELİ DİDEM,Patel Nehaben,TÜRELİ MEHMET SERDAR UFUK, Effective channel utilization using the RI-BTMA protocol, MILCOM 2007 - IEEE Military Communications Conference,2007.

ZEYDAN ENGİN,KIVANÇ TÜRELİ DİDEM,TÜRELİ MEHMET SERDAR UFUK, Joint Iterative Channel Allocation and Beamforming Algorithm for Interference Avoidance in Multiple-Antenna Ad Hoc Networks, MILCOM 2007 - IEEE Military Communications Conference,2007.

ZEYDAN ENGİN,KIVANÇ TÜRELİ DİDEM,TÜRELİ MEHMET SERDAR UFUK, Unitary and Non-Unitary Differential Space-Frequency Coded OFDM, 2008 IEEE Wireless Communications and Networking Conference,2008.

Kamakaris Theodoros,KIVANÇ TÜRELİ DİDEM,TÜRELİ MEHMET SERDAR UFUK, Spatial and spectral radio resource enhancement for urban spectrum reuse, 2008 IEEE 19th International Symposium on Personal, Indoor and Mobile Radio Communications,2008.

ZEYDAN ENGİN,KIVANÇ TÜRELİ DİDEM,Comanicu Cristina, Efficient routing for correlated data in wireless sensor networks, MILCOM 2008 - 2008 IEEE Military Communications Conference,2008.

Parikh Vishal,KIVANÇ TÜRELİ DİDEM,TÜRELİ MEHMET SERDAR UFUK, Performance analysis of CSMA and RI-BTMA in an ad hoc network, 2008 42nd Annual Conference on Information Sciences and Systems,2008.

ZEYDAN ENGİN,KIVANÇ TÜRELİ DİDEM,TÜRELİ MEHMET SERDAR UFUK, Cross layer interference mitigation using a convergent two-stage game for ad hoc networks, 2008 42nd Annual Conference on Information Sciences and Systems,2008.

He Fengming,Man Hong,KIVANÇ TÜRELİ DİDEM,McNair Bruce, EPSON: Enhanced Physical Security in OFDM Networks, 2009 IEEE International Conference on Communications,2009.

ZEYDAN ENGİN,KIVANÇ TÜRELİ DİDEM,TÜRELİ MEHMET SERDAR UFUK, Bottleneck throughput maximization for correlated data routing: a game theoretic approach, 2010 44th Annual Conference on Information Sciences and Systems (CISS),2010.

KIVANÇ TÜRELİ DİDEM,TÜRELİ MEHMET SERDAR UFUK, Joint approximation of localization and path exponents in a RSS system, SPIE Defense, Security, and Sensing, 2010, Orlando, Florida, United States,2010.

ZEYDAN ENGİN,KIVANÇ TÜRELİ DİDEM,TÜRELİ MEHMET SERDAR UFUK, Iterative Beamforming and Power Control for MIMO Ad Hoc Networks, 2010 IEEE Global Telecommunications Conference GLOBECOM 2010,2010.

TÜRELİ MEHMET SERDAR UFUK,KIVANÇ TÜRELİ DİDEM, Capacity and association for outdoor small cell LTE-A network, 2014 22nd Signal Processing and Communications Applications Conference (SIU),2014.

**7.4.** Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

TÜRELİ MEHMET SERDAR UFUK,Ayikol Deniz,KIVANÇ TÜRELİ DİDEM, Coverage and throughput of heterogenous LTE-A network with biased BS association (x0130ngilizce), 2013 21st Signal Processing and Communications Applications Conference (SIU), 2013.

KIVANÇ TÜRELİ DİDEM,Usman Ali, Effect of user traffic load on design of energy harvesting cellular base station, 2016 24th Signal Processing and Communication Application Conference (SIU), 2016.

**7.5.** Yazılan uluslararası kitaplar veya kitaplarda bölümler

**7.6.** Yazılan ulusal kitaplar veya kitaplarda bölümler

**7.7.** Diğer yayınlar

## **8. Projeler**

Akıllı Yenilenebilir Enerji Yönetim Sistemi, -Tübitak 1505, .

AKILLI YENİLENEBİLİR ENERJİ YÖNETİM SİSTEMİ (TÜBİTAK 1505 - 5160019), -  
Tübitak 1505, 2021.

**9. İdari Görevler**

**10. Bilimsel ve Mesleki Kuruluşlara Üyelikler**

**11. Ödüller**

**12. Son İki Yılda Verdiği Lisans ve Lisansüstü Düzeydeki Dersler**

- EEE306 Digital Communications, Lisans, 2011-2012, Ders Saati: 3
- IE 202 Statistics for Engineering, Lisans, 2011-2012, Ders Saati: 3
- EEE 452 Digital Systems and Filters, Lisans, 2011-2012, Ders Saati: 3
- EEE 307 Analog Communications, Lisans, 2011-2012, Ders Saati: 3
- EEE403 Digital Signal Processing, Lisans, 2011-2012, Ders Saati: 3
- MATH 265 Probability and Statistics, Lisans, 2011-2012, Ders Saati: 3
- EEE 452 Digital Systems and Filters, Lisans, 2012-2013, Ders Saati: 1
- EEE 307 Analog Communications, Lisans, 2012-2013, Ders Saati: 3
- EEE 203 Introduction to Matlab, Lisans, 2012-2013, Ders Saati: 2
- MATH 265 Probability and Statistics, Lisans, 2012-2013, Ders Saati: 3
- CMPE 152 Computer Programming, Lisans, 2012-2013, Ders Saati: 4
- EEE403 Digital Signal Processing, Lisans, 2012-2013, Ders Saati: 3
- EEE306 Digital Communications, Lisans, 2012-2013, Ders Saati: 3
- MATH 265 Probability and Statistics, Lisans, 2013-2014, Ders Saati: 3
- ECE506 Embedded System Design, Yüksek Lisans, 2013-2014, Ders Saati: 3
- EEE306 Digital Communications, Lisans, 2013-2014, Ders Saati: 4
- EEE 307 Analog Communications, Lisans, 2013-2014, Ders Saati: 3
- EEE403 Digital Signal Processing, Lisans, 2013-2014, Ders Saati: 3
- EEE 452 Digital Systems and Filters, Lisans, 2013-2014, Ders Saati: 3
- ECE503 Coding and Dig. Mod. Techniques, Yüksek Lisans, 2014-2015, Ders Saati: 3
- EEE 452 Digital Systems and Filters, Lisans, 2014-2015, Ders Saati: 3

- EEE 307 Analog Communications, Lisans, 2014-2015, Ders Saati: 3
- EEE306 Digital Communications, Lisans, 2014-2015, Ders Saati: 3
- MATH 265 Probability and Statistics, Lisans, 2014-2015, Ders Saati: 3
- EEE403 Digital Signal Processing, Lisans, 2014-2015, Ders Saati: 3
- MATH 265 Probability and Statistics, Lisans, 2015-2016, Ders Saati: 3
- EEE306 Digital Communications, Lisans, 2015-2016, Ders Saati: 3
- EEE468 Wireless Communications, Lisans, 2015-2016, Ders Saati: 3
- EEE 307 Analog Communications, Lisans, 2015-2016, Ders Saati: 3
- EEE 452 Digital Systems and Filters, Lisans, 2015-2016, Ders Saati: 3
- EEE311 Digital Signal Processing, Lisans, 2015-2016, Ders Saati: 3
- ECE505 RANDOM PROCESSES AND ESTIMATION, Yüksek Lisans, 2015-2016, Ders Saati: 3
- EEE311 Digital Signal Processing, Lisans, 2016-2017, Ders Saati: 3
- EEE 307 Analog Communications, Lisans, 2016-2017, Ders Saati: 3
- ECE503 Coding and Dig. Mod. Techniques, Yüksek Lisans, 2016-2017, Ders Saati: 3
- ECE505 Random Processes and Estimation, Yüksek Lisans, 2016-2017, Ders Saati: 3
- EEE306 Digital Communications, Lisans, 2016-2017, Ders Saati: 3
- EEE 452 Digital Systems and Filters, Lisans, 2016-2017, Ders Saati: 3
- MATH 265 Probability and Statistics, Lisans, 2016-2017, Ders Saati: 3
- EEE468 Wireless Communications, Lisans, 2016-2017, Ders Saati: 3
- ECE 510 Digital Audio and Video Broadcasting, Yüksek Lisans, 2017-2018, Ders Saati: 3
- ECE505 Random Processes and Estimation, Yüksek Lisans, 2017-2018, Ders Saati: 3
- EEE468 Wireless Communications, Lisans, 2017-2018, Ders Saati: 3
- ECE 515 Game Theory, Yüksek Lisans, 2017-2018, Ders Saati: 3
- ECE 502 GSM and Next Generation Networks, Yüksek Lisans, 2017-2018, Ders Saati: 3
- ECE503 Coding and Dig. Mod. Techniques, Yüksek Lisans, 2017-2018, Ders Saati: 3
- MATH 265 Probability and Statistics, Lisans, 2017-2018, Ders Saati: 3

- EEE 307 Analog Communications, Lisans, 2017-2018, Ders Saati: 3
- MATH 265 PROBABILITY AND STATISTICS, Lisans, 2017-2018, Ders Saati: 3
- EEE311 Digital Signal Processing, Lisans, 2017-2018, Ders Saati: 3
- EEE306 Digital Communications, Lisans, 2017-2018, Ders Saati: 3
- EEE311 Digital Signal Processing, Lisans, 2018-2019, Ders Saati: 1
- ECE505 Random Processes and Estimation, Yüksek Lisans, 2018-2019, Ders Saati: 3
- EEE 307 Analog Communications, Lisans, 2020-2021, Ders Saati: 3
- MATH 265 Probability and Statistics, Lisans, 2020-2021, Ders Saati: 3