

## ÖZGEÇMİŞ



1. **Adı Soyadı:** Osman Nuri Uçan

2. **Doğum tarihi** :01.01.1960

3. **Ünvanı** :Profesör

4. **Öğrenim Durumu:** Doktora

Derece	Alan	Üniversite	Yıl
Lisans	Elektronik ve Haberleşme	İ.T.Ü	1980-1985
Lisansüstü	Elektronik ve Haberleşme	İ.T.Ü	1985-1988
Doktora	Elektronik ve Haberleşme	İ.T.Ü	1988-1995

### 5. Akademik Ünvanlar:

GÖREV DÖNEMİ	ÜN VAN	ÜNİVERSİTE	BÖLÜM
1986-1996	Araş.Gör.	İ.T.Ü.	Elektronik ve Haberleşme
1997-1999	Yard. Doç. Dr.	İ.Ü.	Müh. Fakültesi, Elektronik Müh. Böl.
1998-2004	Doç. Dr.	İ.Ü.	Müh. Fakültesi, Elektronik Müh. Böl.
2004-2006	Prof.Dr.	İ.Ü.	Mühendislik Fakültesi, Dekan Yardımcısı
2006, 2007	Misafir Öğretim Üyesi	Orleans University-Fransa	Mühendislik Fakültesi
2008	Misafir Öğretim Üyesi	Budapest University-Macaristan	Mühendislik Fakültesi

2011-2012	Dekan Vekili	İ.A.Ü.	Mühendislik ve Mimarlık
2012-2013	Dekan	İ.A.Ü.	Mühendislik ve Mimarlık
2013-2016	Kurucu Dekan	İ.A.Ü.	Mühendislik Fakültesi Elektrik-Elektronik Müh. Bölüm Başkanı
2015-2016	Prof.Dr.	İ.A.Ü.	Mühendislik Fakültesi, Elektrik-Elektronik Müh. Bölümü Öğretim Üyesi
2016-	Prof. Dr.	A.Ü.	Mühendislik ve Doğa Fakültesi Elektronik Müh. Bölüm Başkanı
2016-2017	Prof. Dr.	A.Ü.	Mühendislik ve Doğa Bilimleri Fakültesi Dekan Vekili
2017-2020	Prof. Dr.	A.Ü.	Mühendislik ve Doğa Bilimleri Fakültesi Dekanı
2021-	Prof. Dr.	A.Ü.	Uygulama Bilimler Fakültesi Dekan Vekili

## 6. Yönetilen Yüksek Lisans ve Doktora

### Tezleri 6.1 Yüksek Lisans Tezleri (91 adet)

Tez Öğrencisi	Yılı	Tez Konusu
REDA RAMADAN ABDULSALAM	2022	Transformation of traditional healthcare system to advance AI-based e-healthcare system
AHMED HUSSEIN IBRAHEM ALAJDAH	2022	A new software defined network (SDN) in IoTs based deep learning techniques
ARAM MOHAMMED DAWOOD DAWOD	2022	A new method based CNN combined with genetic algorithm and support vector machine for COVID-19 detection by analyzing X-ray images
NAWAR ABDULRIDHA YAHYA AL-KHAFAJI	2021	Building e-government solution system with interoperable GIS solutions using blockchain driven nhibernate mapper
RAED HAMEED GBURI	2021	Detection of malicious URLs using machine learning
AMER BENAROUS	2021	Data management system in IoTs using deep learning technique
ALI JASIM KHALEEFAH AL-JABERI	2021	Detect Phishing Website by using machine Learning
ALI MOHSIN LATEEF AL- KHAFAJI	2021	ARTIFICIAL NEURAL NETWORKS FOR ELECTROENCEPHALOGRAM CLASSIFICATION
MOHAMMED WESSAM HUSSEIN AL-SHAMMARI	2021	Implementation of an Energy Efficient Routing Protocol for Wireless Sensor Network
AHMED JAMAL AZEEZ ALYOUSUF	2021	Improvement of data transmission in fiber optical systems using VCSEL based erbium doped fiber amplifier (EDFA)
MOHAMMED HASAN HADI AL MAAWI	2021	Cybersecurity breaches and the role of ethical hackers in securing the online system of the organisation
FATİMAH YASEEN HASHİM AL-ZUBAİDİ	2021	Detect malware url using naive bayes algorithm
HASAN M.HUSSEIN M.ALI NASSRULLAH	2020	Comparison of various algorithm for intrusion detection in data mining
HATİCE AKKAYA	2020	Üniversitelerde kurumsal web sitelerinin tasarım ve kullanılabilirlik analizleri
OMAR KHUDHAIR EKHLAYEF EKHLAYEF	2020	Intrusion detection and classification in internet of things networks using machine learning
KHALID FARHAN MOHAMMED MOHAMMED	2020	Highway traffic classification using data mining in machine learning
JUHAINA THAKIR MAHMOOD	2020	Predicting power consumption using artificial neural networks algorithms
YOUNUS TAHREER YOUNUS YOUNUS	2020	Digital image cryptogrphy using chaotic logistic map

BAQAR ASSAM HATAF ALQWEZI	2020	Methods viable for anomaly detection of application-level network
QUSAY MUAAD ALI	2020	Improving the limitations in the capacity of fiber optics using modified nonlinear fourier transform
LAYTH MOHAMMED ABBAS AL-MASHHADANI	2020	Performance enhancement of palm recognition system by robust machine learning approaches
SAFA AKRAM YOUNIS YOUNIS	2020	Hepatitis C virus prediction using krill herd trained artificial neural network
HUSAM ADEL ALI ALSHUWAILI	2020	Study and evaluate a mechanism that is able to highlight the legal documents
ZĪNAH ABDULLAH AHMED	2020	The ability of neural networks to solve biomedical image segmentation task
FUAT GENÇ	2020	Sezgisel yöntemlerle market sepet analizi <i>Market basket analysis with heuristic methods</i>
AHMED ESSAA ABED AL-OWAIDI	2020	Project management and security of electronic platforms for the software-defined radio
HAYDER ABDULKAREEM QADER IBADI	2020	Handle an emergency in the traffic light using artificial intelligence
LUMA KHALID LUHAIBI	2020	Design and implement a big data processing platform suitable for smart grids data
KHALID JAMAL MAALAGH	2020	Real-time prediction the rate of penetration using machine learning
ADNAN ABDULLAH ATIYAH	2020	Development of a voice filter and enhancement method based on deep learning
MOHANAD MOHAMMED HAMAD ALSABAAWI	2020	Efficient construction cost estimation software using convolutional neural network and particle swarm optimization algorithm (PSO)
HUDA ABDULWAHID ABBAS	2020	The possibility of using machine learning to extract the user actions from the mobile devices data
ALĪ EMAD MOHSĪN ALBREEJ	2020	The automation of bug assignment using machine learning algorithms
YASEEN SAADI ABBAS ABBAS	2020	Automatic generation control using deep reinforcement learning
OMAR AHMED	2020	Distributed denial of service (DDOS) detection in IoT sensors by using deep learning technique
ALI KHAIRI AHMED ALTOOHAFI	2020	Channel estimation for mimo-ofdm communication system based on deep neural networks
ASHJAN ADNAN AL-MOHAMMED	2020	Introduce a distributed complex event processing architecture for network monitoring
ABDULLAH QASSIM ALI	2020	Automatic analysis and detection of malware behavior using machine learning for computer device
HAMID FALAH DHEYAB	2020	Implementation a various types of machine learning approaches for biomedical datasets based on sickle cell

		disorder
ALI ADNAN AHMED AHMED	2020	Sentiment analysis for cryptocurrency prices prediction
TAHA ALI KHALEEL AL-AZAOOI	2020	Data security and authentication over computer communication networks and the internet
OMAR MOHAMMED YOUNUS YOUNUS	2020	Signing digital documents using private keys extracted from fingerprint templates
OLAIA MOSBAH A BOURTEMA	2019	Analysing the altitude variation effects on optical channel performance
ALİ İHSAN ÖZ	2019	Kullanıcı deneyim tasarım veri analiz sistemi
AHMED AYAN OBED	2019	Automatic türbine speed control using integer and fractional order PID controller based on genetic algorithm
ALİ SAAD HUSSEIN AL-NASER	2019	Pattern-based behavioral biometric authentication using artificial neural networks
MOHAMMED THAKIR MAHMOOD	2019	An analysis of accessibility in learning management system in the context of higher education institution
NAAMA METHAB ATHAB	2019	Intelligent system for predicting behaviour of electrical energy consumption
OMER MUNEAM MUSHREF		Effective integration of data mining techniques with business intelligence using web mining
RAND SAFI ABDULLAH	2019	Multi verse optimizer algorithm for optimal placement and size of distributed generation in radial distribution system
ABDULRAHMAN MOHAMED ABDLRAHMAN ALMAAWI	2019	Simulation of wireless sensor network based communication systems
ALI MAJEED MOHAMMED ALYASIRI	2019	Passive detection of islanding events in microgrids using machine learning
AHMED RASHID IBRAHIM ALABD	2019	Medical Video enhancement
HAITAM AHMED YASEEN	2019	Integration of the quality of service (QOS) in networked cloud computing system
MOHAMMED THAKIR MAHMOOD	2019	Design and implementation of WEB based for intermedia online shop by using MVC Laravel framework
DOOAA ALI JUMAAH ZIRJAWI	2019	An indoor positioning system using ultrasound waves
GHAIDO NASSR NAFES	2019	Adaptive Video transmission over communication networks
SAADALDEEN RASHID AHMED AHMED	2019	Brest cancer detection and image evaluation amugented deep convolotional neural network
ALI TARIQ KALIL	2018	Simulation system for security sensing services based on internet of things
ALLA FIKRAT MAJEED AL-WINDAWI	2018	Prediction of epileptic seizures with the use of biomedical sensors and İnternet of things
BARAASAAD ABDULHAKEEM	2018	Low cost high speed data acquisition board for laboratory laser system

MUSTAFA GHAZI FAHAD ALLAZAWI	2018	Steady the distortion of the transmitting data due to the spectral shift effect of semiconductor laser with increasing of frequency in optical communication systems
ALAA FIRAS JASIM JASIM	2018	An energy efficient hierarchical clustering algorithm for wireless sensor networks using software defined networking solution
A. MOHAMED M. ABURAS	2018	Implementation of Different Clustering Algorithms
ZAHRAA MUSTAFA ZAIDAN	2018	Computer Communication Network Reliability: Evaluation of two-terminal reliability
MURTADHA MOHAMMED ALI ALKADHMI	2018	Implementing Pulse Position Modulation Using Field-Programmable Gate Array
ABDULGADER H. ABDULGADER ALSHARIF	2018	Optimization of Electrical Charging Station Capacity
ISAM KAREEM THAJEEL THAJEEL	2017	Improving IDS alerts to improve the quality of the network security by using data mining technique
ALI MAJID NOOR	2017	PV Penetration Effect For Regulating Voltage Using Reactive Power
GÖKHAN EŞGİ	2016	RF iletişimli mobil robot kolu
GÖKHAN ORAL	2015	İki eksenli güneş izleme panelinin kontrolü
TEMEL SÖNMEZOCAK	2015	Aydınlatma led kaynaklarının enerji verimliliğinin incelenmesi
NOOR AHMED	2013	Kernel based adaptive channel equalization
YASHAR M. JWAH	2010	Evaluation of telemedical electrocardiograph signals using artificial neural network
EMEL DEMİRYAKAN	2010	Düşük yoğunluklu parite kontrol kodları
GÜLDEM KÜÇÜK	2010	Beyin magnetik rezonans görüntülerinin segmentasyonu
DİNÇER YARIMÇAM	2009	Ses sıkıştırma tekniklerinin başarımlarının analizi
ALİ ÜLGEN	2008	Sayısal mammografi görüntülerinin iyileştirilmesi
EVREN KORALTÜRK	2008	Güç iletim hatlarında ortogonal frekans bölmeleme ile başarımlarının analizi
VOLKAN ÖZDURAN	2008	Birleşik şifreleme ve turbo kodlama sistemleri
ONUR MERAL	2008	Doğrusal öngörülme kodlama ve adaptif algoritma tabanlı konuşmacı tanıma
ULAŞ ÇELENK	2007	GSM sistemlerde lokasyon tespiti
SERDAR KARGIN	2007	Yapay sinir ağları ile beyin tümörü tomografi görüntülerinin sınıflandırılması
YÜCEL TÜRKER	2006	LMDS'in (yerel çok noktalı dağıtım sistemi) İstanbul'daki başarımlarının incelenmesi
OLCAY AKBULUT	2005	Bilgisayar ağ yapılarında en iyileme teknikleri
YEŞİM HEKİM	2005	Düşük yoğunluklu parite kontrol kodlarının hata başarımlarının analizi
HANDE BARGU	2004	Hücreli yapay sinir ağ-markov rasgele alan (HYSA-MRA)

		yöntemi ve yerbilimlerine uygulamaları
NİYAZİ KILIÇ	2003	Biyomedikal işaretlerin Markov rastgele alanları kullanılarak işlenmesi
ABDURRAHİM AKGÜNDOĞDU	2003	Bulanık-yapay sinir ağları ile biyomedikal görüntü işlenmesi
ÖMER ERKAN	2003	Kısmi yanıtli sönümlmeli kanallarda uzay-zaman kodlamalı sistemlerin hata başarımı
ÖZGÜR SAVUR	2002	Sanal özel ağlarda güvenlik
GÜNAY KURTULDU	2002	Hücrese sinir ağları (CNN) modelleri
NİYAZİ ODABAŞIOĞLU	2002	Sürekli faz modülasyonlu kaynak/ kanal sistemlerin sönümlmeli ortamlarda hata başarımı
MUSTAFA TOLUNAY	2002	Sürekli faz modülasyonu haberleşme sistemlerinin hata başarımı
MAHMUT ŞAMİL SAĞIROĞLU	2001	Rastgele markov alanları ve hücrese sinir ağları ile görüntü işleme
ERDEM BİLGİLİ	1999	Yapay sinir ağları ile bitkilerin şekillerinin sınıflandırılması (yapraktan bitki tanıma)

## 6.2 Doktora Tezleri (30)

Tez Öğrencisi	Yılı	Tez Adı
ABDULLAH JAMEEL MAHDI AL-SAMMARRAIE	2022	Drones swarm free space optical communication with pointing error
PEREN JERFİ CANATALAY	2022	Derin öğrenme yöntemleri kullanılarak meme kanseri teşhisi
HAMID RADAM HUSSEIN OBAIDI	2020	<a href="#">Unified real time object detection using convolutional neural network</a>
AHMED M. ABDALLA MOHAMED	2020	<a href="#">Investigation of emotional state using machine learning techniques based on complexity and spectral features of electroncephalogram</a>
EMAD ALI ALMABSOUT	2020	A hybrid local search-genetic algorithm for placement of dg units and shunt capacitors in radial distribution system
ABDULLAHI ABDO IBRAHİM	2019	Designing insistence-aware medium access control protocol and energy conscious routing protocol in a quality-of-service guaranteed wireless body area network
LAYTH KAMIL ADDAY AL MAJMAIE	2019	Fingerprint pattern recognition system based on modify multi-connect architecture (MMCA)
MAATHER ABDULRAHMAN İBRAHİM ALSHABI	2019	Unit commitment problem solved by hybrid swarm algorithms
HALA NAFIE FATHEE	2019	Efficient unconstrained recognition system based on CCT-LIKE mask filter bank
BASSAM SABRI	2019	A novel approach for ensuring location privacy using sentiment analysis and analysis for health-care and its effects on human health

MOHAMMED İBRAHİM AHMED AL-MASHHADANİ	2019	Segmentation and classification of demoscopic images for detection of melanoma cancer in early stage using image processing techniques
SHAYMAA QAYDAR ABDULJABBAR ALHAYATI	2018	Energy Efficient Clustering head selection, routing and attacker node detection in wireless sensor network using GA-ANFIS and weighted trust evaluation
ABDULBASIT KADHİM SHAKUR ALAZZAWI	2018	Advanced Face Recognition using Novel Technique based on Linear Regression Slope
AHMED KHUDHAİR ABBAS AL-ABADİ	2018	Analysing big data to predict personal information and properties for twitter users
WAMIDH JALİL MAZHER	2018	Drone swarm configuration for high-resolution surveillance with long code onboard free-space optical communication
HADEEL TARIQ İBRAHİM	2018	Heuristic optimization approaches for feature selection in biomedical datasets
ONUR YAZGAN	2013	Elektrik talebi ve elektrik piyasası fiyatlarının kısa dönemde tahmin edilmesi
OLCAY AKBULUT KURUŞ	2011	Hermitian transform tabanlı yöntemlerle sayısal işaretlerin değerlendirilmesi
PELİN GÖRGEL	2011	Görüntü işleme teknikleri kullanılarak, 2-boyutlu mamografik verilerde kanserli bölge tanısı
AZİZ YILMAZ	2010	OFDM tabanlı haberleşme kanallarında LDPC kodlama
HÜSEYİN KURTULUŞ ÖZCAN	2009	Katı atık düzenli depolama gazlarının genetik algoritmalarla modellenmesi
ABDURRAHİM AKGÜNDOĞDU	2009	Trabeküler kemik yapılarının yapay zeka yöntemleri ile modellenmesi
MÜMTAZ YILMAZ	2009	Analysis and design of synchronous/asynchronous cooperative communication systems
MURAT CEYLAN	2009	Bilgisayar tomografili akciğer görüntülerinin değerlendirilmesinde kompleks değerli yeni bir akıllı sistem tasarımı
NİYAZİ KILIÇ	2008	Bilgisayarlı tomografi görüntülerinde üç boyutlu şablonlar kullanılarak kolonik polip tespiti
ÖMER FATİH SAYAN	2008	Duygusal zekâ modeli oluşturulması
TUGAY AKBAŞ	2007	Geometrik inşa kodlarının üretimi ve başarımı
HASAN DEMİR	2007	Ağırlıklı dalgacık ağları ve uygulamaları
NİYAZİ ODABAŞIOĞLU	2006	Sürekli faz modülasyonunun çok düzeyli turbo kodlanması
GÖKMEN ALTAY	2005	İteratif ayrıştırılabilir blok kodlar
ONUR OSMAN	2004	Turbo kodlama tekniklerinin başarımı
SELMA ARICAN	2003	Sayısal haberleşme sistemlerinde turbo kodlama tekniği
ATILLA ÖZMEN	2001	Hücre sel yapay sinir ağları ve görüntü işleme uygulamaları



ERKAN DANACI		Selçuk Üniversitesi, FBE (2. DANIŞMAN)
ABDULLAH BAL		Yıldız Teknik Üniversitesi, FBE (2. DANIŞMAN)
MARTIN ZIARATI		De-Montfort Üniversitesi, Leicester-Bedford İngiltere (2. DANIŞMAN)
OĞUZ BAYAT		Northeastern Üniversitesi, Massachusetts, ABD (2. DANIŞMAN)

## 7.Yayınlar

### 7.1 Uluslararası hakemli dergilerde yayımlanan makaleler (126 adet)

1. **Osman N. Ucan**, Umit Aygolu, Erdal Panayirci, “Performance and Jitter Analysis of Quadrature Partial Response/Trellis Coded Modulation Signals in the Presence of Intersymbol Interference and Colored Noise”,IEEE JOURNAL ON SELECTED AREA IN COMMUNICATIONS, Vol.10, No.8, pp. 1264-1270, October 1992. **(SCI-Expanded)**
2. Erdal Panayirci, Umit Aygolu, **Osman N. Ucan**,“ Error Performance Analysis of Quadrature Partial Response-Trellis Coded Modulation (QPR-TCM) in Fading Mobile Satellite Channels”, IEEE TRANSACTIONS ON COMMUNICATIONS Vol.43, No.2/3/4, pp. 1653 1662, Feb/Mar/April 1995. **(SCI-Expanded)**
3. **Osman N. Ucan**, “Jitter and Error Performance Analysis of Trellis Coded M-PSK over Partial Response-Fading Channel”, ELECTRONIC LETTERS, Vol.32, No.13, pp. 1164-1166, June1996. **(SCI-Expanded)**
4. Serhat Ozekes, Onur Osman, **Osman N Ucan** , “Nodule Detection in a Lung Region that’s Segmented with Using Genetic Cellular Neural Networks and 3D Template Matching with Fuzzy Rule Based Thresholding “KOREAN J RADIOLOGY 9(1), February 2008. **(SCI-Expanded)**.
5. **Osman N. Ucan**, “Trellis Coded Quantization /Modulation over Mobile Satellite Channel with Imperfect Phase Reference”, INTERNATIONAL JOURNAL OF SATELLITE COMMUNICATIONS, 16, pp.169-175, 1998. **(SCI-Expanded)**
6. **Osman N. Ucan**, Serhat Seker, Selcuk Paker, “Jitter Performance of Neural Network Equivalent MPSK Schemes Over Microwave Channels”, INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, Vol. 11, pp. 169-178 May-June 1998. **(SCI-Expanded)**
7. **Osman N. Ucan**, Murat Uysal, Selcuk Paker, “Performance of Combined Trellis Coded Quantization /Modulation over Wireless Local Loop Environment”INTERNATIONAL JOURNAL OF COMMUNICATIONS, 13, pp.207-218, May 2000. **(SCI-Expanded)**
8. **Osman N. Ucan**, Bülent Sen, A.Muhittin Albora, Atilla Ozmen, “A New Gravity Anomaly Separation Approach: Differential Markov Random Field (DMRF)”, ELECTRO-GEOPHYSICS, <http://link.springer.de/link/service/journals/10069/bibs/0005001/00050001.htm>

9. **Osman N. Ucan**, Serhat Seker,A. Muhittin Albora ,Atilla Ozmen, “Separation of magnetic fields in geophysical studies using 2-D multi-resolution Wavelet analysis approach”, JOURNAL OF THE BALKAN GEOPHYSICAL SOCIETY, Vol. 3, No. 3, pp.53-58, 2000.

10. Hakan A. Cirpan, **Osman N. Ucan**, “Blind equalization of quadrature partial response trellis coded modulated signals in Rician fading”, INTERNATIONAL JOURNAL OF SATELLITE COMMUNICATIONS, Vol. 19, pp. 159-168, March-April, 2001. **(SCI-Expanded)**

11. **Osman N. Ucan**, A. Muhittin Albora, “Evaluation of Akdag Iron Ore Reserves using Differential Markov Random Field (DMRF),” JOURNAL OF THE BALKAN GEOPHYSICAL SOCIETY, pp.101-110, Vol.4, No.4, Nov. 2001.

12. **Osman N. Ucan**, Hakan A. Cirpan, “Trellis Coded Quantization/Modulation over Rician Fading Channel”, INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS, Vol.6, No.3, pp. 263-269, 2001.

13. **Osman N. Ucan**, Erdem Bilgili, M. Albora, “Magnetic anomaly separation using Genetic Cellular Neural Networks”, JOURNAL OF THE BALKAN GEOPHYSICAL SOCIETY, pp.65-70, Vol.5, No.3, August, 2002.

14. **Osman N. Ucan**, A. Muhittin Albora, Z. Mümtaz Hisarlı, “Comments on the Gravity and Magnetic Anomalies of Saros Bay using Wavelet approach”, MARINE GEOPHYSICS, Vol.22, pp. 251-264,2001. **(SCI-Expanded)**

15. A.Muhittin Albora, **Osman N. Ucan**, Atilla Ozmen, Tulay Ozkan, “Separation of Bouguer anomaly map using cellular neural network”, JOURNAL OF APPLIED GEOPHYSICS, 46, pp.129-142, 2001. **(SCI-Expanded)**

16. Osman N. Ucan, Mustafa Istanbulu, Niyazi Kilic,Ahmet Kala, “Authentication of Ottoman art calligraphers”, INTERNATIONAL JOURNAL OF ELECTRONICS; MECHANICAL and MECHATRONICS ENGINEERING Vol.2 Num.2 pp.(215-224),2012.

17. A.Muhittin Albora, Atilla Ozmen, **Osman N. Ucan**, “Residual Separation of magnetic fields using a Cellular Neural Network Approach”, PURE APPLIED GEOPHYSICS, 158, pp. 1797-1818, Sept., 2001. **(SCI-Expanded)**

18. **Osman N. Ucan**, Onur Osman, S. Paker, “Turbo coded signals over wireless local loop environment”, INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, AEU, Vol. 56, No.3,pp.163-168, 2002. **(SCI-Expanded)**

19. **Osman N. Ucan**, A. Muhittin Albora, Atilla Ozmen, “Evaluation of tectonic structure of Gelibolu (Turkey) using steerable filters”, JOURNAL OF THE BALKAN GEOPHYSICAL SOCIETY, Vol. 6, No. 4, pp. 221 – 234, 2003.

20. Gose E, Pastaci H, **Osman N. Ucan**, et al., Performance of transmit diversity-turbo trellis coded modulation (TD-TTCM) over genetically estimated WSSUS MIMO channels”, FREQUENZ Volume: 58 Issue: 11-12 Pages: 249-255, NOV-DEC2004

21. **Osman N. Ucan**, “Trellis coded quantization/trellis coded continuous phase modulation over Rician channel with imperfect phase reference”, EUROPEAN

TRANSACTIONS ON TELECOMMUNICATIONS Volume: 15 Issue: 5 Pages: 437-446,  
SEP-OCT2004 (SCI-Expanded)

22 .A.Muhittin Albora, Z.M. Hisarli, **Osman N. Ucan**, “Application of wavelet transform to magnetic data due to ruins of Hittite civilization of Turkey”, PURE AND APPLIED GEOPHYSICS, Volume: 161 Issue: 4 Pages: 907-930, MAR 2004 (SCI-Expanded)

23. **Osman N. Ucan**, Onur Osman, “Concatenation of space-time block codes and turbo trellis coded modulation (ST-TTCM) over Rician fading channel with imperfect phase reference”, INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, 17,pp. 347-361, 2004. (SCI-Expanded)

24.**Osman N. Ucan**, Onur Osman, “Blind Equalization of space-time-turbo trellis coded/continuous phase modulation over Rician fading channels” , EUROPEAN TRANSACTION ON TELECOMMUNICATIONS. Volume 15, Pages: 447 – 458, SET-OCT2004. (SCI-Expanded)

25.Ulku Sahin, **Osman N. Ucan**, Burcu Soyhan, Cuma Bayat “Modeling of CO Distribution in Istanbul Using Artificial Neural Network” FRESNIUS ENVIRONMENTAL BULLETIN, Volume 13, No.9, pp 839-845, 2004. (SCI-Expanded)

26.Ulku Sahin, **Osman N. Ucan**, Cuma Bayat, Namık Öztörün “Modeling of SO<sub>2</sub> Distribution in Istanbul Using Artificial Neural Network” ENVIRONMENTAL MODELLING AND ASSESSMENT.,Volume:10, Issue:2, Pages:135-142,JUN2005.(SCI-Expanded)

27.Aydogan D, Elmas A, Albora AM, **Osman N. Ucan**, et al., “ A new approach to the structural features of the Aegean Sea: Cellular neural network” MARINE GEOPHYSICAL RESEARCHES Volume: 26 Issue: 1 Pages: 1-15, Mar 2005 (SCI-Expanded)

28.Onur Osman, **Osman N. Ucan**, “Blind Equalization of Turbo Trellis Coded Partial Response Continuous Phase Modulation signalling over narrow-band Rician fading channel” IEEE TRANSACTION ON WIRELESS COMMUNICATIONS (TOW), Volume: 4 Issue: 2 Pages: 397-403, MAR 2005(SCI-Expanded)

29.Bilgili E, Goknar IC, **Osman N. Ucan**, “Cellular neural network with trapezoidal activation function”, *INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS* Volume: 33 Issue: 5 Pages: 393-417 ,SEP-OCT 2005 (SCI-Expanded)

30.Bilgili E, Goknar IC, Albora AM, **Osman N. Ucan**, et al. “Potential anomaly separation and archeological site localization using genetically trained multi-level cellular neural networks”, ETRI JOURNAL Volume: 27 Issue: 3 Pages: 294-303,JUN 2005 (SCI-Expanded)

31. Osman O, **Osman N. Ucan**, Odabasioglu N, “ Performance of multilevel turbo codes with group partitioning over satellite channels”, IEE PROCEEDINGS-COMMUNICATIONS Volume: 152 Issue: 6 Pages: 1055-1059, DEC 2005 (SCI-Expanded)

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## **7.2 Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler (105 adet)**

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## 7.5 Ulusal Bilimsel Toplantılarda Sunulan ve Bildiri Kitabında Basılan Bildiriler

### 7.6 Diğer Yayınlar

#### Kitaplar

1. **Osman N. Uçan**, Onur Osman, “Haberleşme Teorisi ve Mühendislik Uygulamaları”, Nobel Yayın, (ISBN 9944-77-039-6) 2006

2. **Osman N. Uçan**, Onur Osman, A. Muhittin Albora “Görüntü işleme teknikleri ve Mühendislik Uygulamaları”, Nobel Yayın, (ISBN 9944-77-051-5)2006

#### Çeviri Kitaplar

### 8. Projeler

1. “A new Approach to Gravity Anomaly Separation Differential Markov Random Field (DMRF), Separation of Magnetic fields in geophysical studies using a 2D Multi-Resolution Wavelet analysis approach”, Istanbul Üniversitesi Araştırma Fonu Projesi, ProjeNo. Ö 997/03052001.

2.“Marmara Denizinde Ölçülen Gravite ve Manyetik Anomali Haritalarının Hüresel ve Rastgele Yapay Sinir Ağ Yapıları, Markov Rastgele Değişkenler, Dalgacık Metodu ile İncelenerek Modellenmiş Jeolojik Yapıların Sismik Verilerle Karşılaştırılarak Turbo Kodlanmış Ortamlarda Hata Başarımı”, Istanbul Üniversitesi Araştırma Fonu Projesi, ProjeNo. 1409/05052000.

3. “Separation of Magnetic Field Data Using 2-D Wavelet”, Istanbul Üniversitesi Araştırma

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4.“Sürekli Fazlı Çok Boyutlu Birleşik Kaynak/Kanal Kodlamalı İşaretlerin (CPM CTCQ/TCM) ve Eşdeğer Hücresel Yapay Sinir Ağ Modelinin Sualtı Ortamında Hata Başarımı”, İstanbul Üniversitesi Araştırma Fonu Projesi, ProjeNo. 1121/010598.

5.“Yapay sinir Ağları ile Rezidüel Anomalilerin Arazi Ortamında Ayırımı”, İstanbul Üniversitesi Araştırma Fonu Projesi, ProjeNo. 28/03092002.

6.“Geological Modeling of Sivas City using Markov Random Field and Cellular Neural Network Approaches”, İstanbul Üniversitesi Araştırma Fonu Projesi, ProjeNo. B 813/170/2001.

7.“Sivas Bölgesi Altınyayla’da Bulunan Hitit Uygarlığı ile Lüksemburg Bölgesi Titelberg Civarında Bulunan Roma Uygarlığına Ait Arkeojeofizik Dataların DMRF, CNN, RNN ve Wavelet Yöntemleri Kullanarak Arkeolojik Sahaların Ortaya Çıkarılması”, TÜBİTAK Projesi, Proje No. YDABÇAG-100Y021.

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10. “Batı Anadolu’nun Gravite ve Aeromagnetik Verilerin Görüntü İşleme Teknikleri ile Modellenmesi”, TÜBİTAK Projesi, Proje No. 101Y063.

11. “Uzay Zaman Kodlamalı Sistemlerde Kanal Kestirimi”, İstanbul Üniversitesi Araştırma Fonu Projesi, ProjeNo. G-2092.

12. Mukden Uğur, Ayten Kuntman, **Osman N. Ucan**, Ahmet Merev, “Polyester izolatörlerindeki ısıl değişmelerin Markov rastgele alan (Markov Random Field) ve hücresel yapay sinir ağ (Cellular Neural Network) yaklaşımlarıyla değerlendirilmesi” , İstanbul Üniversitesi Projesi. Proje No. 1333/280799.

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16. **Osman N. Ucan**, Ahmet Kal'a, "16. Yüzyıl ve sonrası Türk kültürü kaynaklarından yararlanmayı hızlandırmak üzere; Matbu/El yazısı Osmanlıca metinlerinin Latin harfli Türkçe'ye Yapay Zekaya dayanan görüntü işleme teknikleri ve akıllı veri tabanı kullanılarak çevrilmesi", Elginkan Vakfı Projesi, 2010.
17. **Osman N. Ucan** (Akademik Koordinatörü), "Online Osmanlıca Çeviri Programı Geliştirilmesi", KOSGEB Projesi, 2012.
18. **Osman N. Ucan** (Akademik Koordinatörü), "Yeni Nesil Led Aydınlatma Ar-Ge ve Ölçüm Laboratuvarı Kurulumu", ISTKA Projesi, 2012.
19. **Osman N. Ucan** (Uzaktan Eğitim Koordinatörü), "İAU Engelsiz Yaşam Araştırma ve Uygulama Koordinatörlüğü Projesi", ISTKA Projesi, 2012.
20. **Osman N. Ucan** (Yürütücü), "Enformasyon proje Yarışması", TÜBİTAK Projesi, 2012.
21. **Osman N. Ucan** (Yürütücü), "Robot proje Yarışması", TÜBİTAK Projesi, 2012.
22. **Osman N. Ucan** (Koordinatör), "Proje Pazarı Etkinliği: "Bridging Europe and Turkey on Energy Efficiency and Renewable Energy Technology Projects: Istanbul Aydın University – Industry Cooperation" TÜBİTAK 1503, 2012.
23. **Osman N. Ucan** (Koordinatör), "Proje Pazarı Etkinliği: "Gıda Sanayiinde Yeni Teknolojiler ve Yaklaşımlar Proje Pazarı" TÜBİTAK 1503, 2012.
24. **Osman N. Ucan** (Yürütücü), "Enformasyon proje Yarışması", TÜBİTAK Projesi, 2013.
25. **Osman N. Ucan** (Yürütücü), "Robot proje Yarışması", TÜBİTAK Projesi, 2013.
24. **Osman N. Ucan** (Yürütücü), "AVEA firmasıyla "GSM sistemlerinde veri kullanımının ücretlendirme algoritmalarının ve kota sistemlerinin dinamik olarak incelenmesi" projesi, T.C. Bilim, Sanayi ve Teknoloji Bakanlığı, SANTEZ Programı, 2013.
27. **Osman N. Ucan** (Danışman), "ECVET Digital Platform (Leonardo Da Vinci Projesi), 2013.
28. **Osman N. Ucan** (Düzenleme Kurulu Üyesi), "Enformasyon proje Yarışması", 2014-2016
29. **Osman N. Ucan** (Düzenleme Kurulu Üyesi), "Robot proje Yarışması", 2014-2016
30. **Osman N. Ucan** (Danışman), "Yaratıcı Çalışma Mekanları Aurum İç Mimarlık Öğrenci Proje Yarışması", 2017-
31. **Osman N. Ucan** (Danışman), "Aurum Mimarlık Öğrenci Yarışması "Fütüristik Kentler", 2017-
32. **Osman N. Ucan** (Düzenleme Kurulu Üyesi), "Robot Teknolojileri Proje Yarışması", 2017-
33. **Osman N. Ucan** (Düzenleme Kurulu Üyesi), "Uluslararası Enformatik Bilimler ve Uygulamaları Proje Yarışması", 2017-

## 9. İdari Görevler

1. İstanbul Üniversitesi, Mühendislik Fakültesi, Dekan Yardımcısı
2. İstanbul Üniversitesi, Mühendislik Fakültesi, Yönetim Kurulu üyesi
3. İstanbul Üniversitesi, Mühendislik Fakültesi, Telekomünikasyon A.B.D. Başkanı

4. İstanbul Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölüm Başkan Yardımcısı
5. İstanbul Üniversitesi, Mühendislik Fakültesi, İnşaat işleri koordinatörlüğü Yardımcısı
6. İstanbul Üniversitesi, Mühendislik Fakültesi, Yayın komisyonu üyesi
7. İstanbul Üniversitesi, Mühendislik Fakültesi, İnternet Avcılar sorumlusu
8. İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, Biyomedikal ABD Başkanı
9. İstanbul Aydın Üniversitesi, Mühendislik Mimarlık Fakültesi, Elektrik-Elektronik Bölüm Başkanı
10. İstanbul Aydın Üniversitesi, Mühendislik Mimarlık Fakültesi, Erasmus Koordinatörü
11. İstanbul Aydın Üniversitesi, Mühendislik Mimarlık Fakültesi, Dekan Yardımcısı
12. İstanbul Aydın Üniversitesi, Üniversite-Sanayi Koordinatörü
13. İstanbul Aydın Üniversitesi, Online Eğitim Genel Koordinatörü
14. İstanbul Aydın Üniversitesi, Mühendislik Mimarlık Fakültesi, Dekanı
15. İstanbul Aydın Üniversitesi, Mühendislik Fakültesi, Kurucu Dekanı
16. İstanbul Aydın Üniversitesi, Uluslararası öğrenci kabul ve değerlendirme komisyonu üyesi
17. Altınbaş Üniversitesi, Eğitim, Müfredat ve İntibak Komisyonu üyesi
18. Altınbaş Üniversitesi, Akademik Personel Atama, Yükseltme ve Sahihlik Komisyonu üyesi
19. Altınbaş Üniversitesi, Mühendislik ve Doğa Bilimleri, Elektrik-Elektronik Mühendisliği Bölüm Başkanı
20. Altınbaş Üniversitesi, Mühendislik ve Doğa Bilimleri Fakültesi, Dekanı
21. Altınbaş Üniversitesi, Sağlık alanında Üniversite Sanayi İşbirliği Komisyon üyesi
22. Altınbaş Üniversitesi, Stratejik Plan Takip ve Kalite Güvence Komisyonu üyesi
23. Altınbaş Üniversitesi, Uygulamalı Bilimler Fakültesi, Vekil Dekan

## **10. Bilimsel kuruluşlara Üyelikler**

### **11. Ödüller**

TÜBİTAK BAYG Destekleri,

İstanbul Üniversitesi-Araştırma Fonu 1999,2000, 2001, 2008,2009, 2010 destek ödülleri,

İstanbul Aydın Üniversitesi, Bilimsel Araştırma Fonu, 2013-2016 destek ödülleri,

“Yılın En Başarılı Akademik Personeli” ödülü, Altınbaş Üniversitesi, 2017-2018

“En iyi makale ödülü”, The International Conference on Data Science, E-Learning and Information Systems, Madrid 2018

<b>GÖREV DÖNEMİ</b>	<b>ÜN VAN</b>	<b>ÜNİVERSİTE</b>	<b>BÖLÜM</b>
1997-1999	Bölüm Başkan Yardımcısı	İ.Ü.	Mühendislik Fakültesi, Elektronik Müh. Bölümü
1999-2000	Bölüm Başkan Yardımcısı	İ.Ü.	Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü
2001-2004	İnşaat işleri koordinatörlüğü Yardımcısı	İ.Ü.	Müh. Fakültesi
2001-2004	Yayın komisyonu üyesi	İ.Ü.	Mühendislik Fakültesi
2001-2004	İnternet Avcılar sorumlusu	İ.Ü.	Mühendislik Fakültesi
2000-2008	Telekomünikasyon ABD Başkanı	İ.Ü.	Mühendislik Fakültesi, Elektrik-Elektronik Müh. Bölümü
2004-2006	Dekan Yardımcısı	İ.Ü.	Mühendislik Fakültesi
2005-2010	KIN (Kamu irtibat noktası)	İ.Ü.	Rektörlük
2006-2010	Ersamus/Socrates temsilcisi	İ.Ü.	Mühendislik Fakültesi, Elektrik-Elektronik Müh. Bölümü
2006-2010	Biyomedikal ABD Başkanı	İ.Ü.	İ.Ü. Fen Bilimleri Enst.
2006	Misafir Öğretim Üyesi	Orleans University-Fransa	Mühendislik Fakültesi
2007	Misafir Öğretim Üyesi	Orleans University-Fransa	Mühendislik Fakültesi
2008	Misafir Öğretim Üyesi	Budapest University-Macaristan	Mühendislik Fakültesi
2010-	Elektrik-Elektronik Müh. Bölüm Başkanı	İ.A.Ü.	Elektrik-Elektronik Müh. Böl.
2010-2011	Dekan Yardımcısı	İ.A.Ü.	Mühendislik-Mimarlık Fakültesi

2010-2012	Yönetim Kurulu Üyesi	İ.A.Ü.	Fen Bilimleri Enstitüsü
2010-2011	Yönetim Kurulu Üyesi	İ.A.Ü.	Mühendislik-Mimarlık Fakültesi
2010-2011	Disiplin Kurulu Üyesi	İ.A.Ü.	Mühendislik-Mimarlık Fakültesi
2011-2012	Dekan Vekili	İ.A.Ü.	Mühendislik-Mimarlık Fakültesi
2012-2013	Dekan	İ.A.Ü.	Mühendislik-Mimarlık Fakültesi (2013 yılında “Mühendislik-Mimarlık Fakültesi” yerine “Mühendislik Fakültesi” ve “Mimarlık ve Tasarım Fakültesi” olmak üzere iki Fakülte kurulmuştur)
2013-2016	Kurucu Dekan	İ.A.Ü.	Mühendislik Fakültesi
2013-2016	Uluslararası öğrenci Değerlendirme ve kabul komisyonu	İ.A.Ü.	Rektörlük
2016-2017	Dekan Vekili	İ.K.B.U.	Mühendislik ve Doğa Bilimleri Fakültesi
2017-2021	Dekan	A.Ü.	Mühendislik ve Doğa Bilimleri Fakültesi
2017-2022	Akademik Personel Atama, Yükseltme ve Sahihlik Komisyonu	A.Ü.	Rektörlük
2017-	Eğitim, Müfredat ve İntibak Komisyonu	A.Ü.	Rektörlük
2017-	Disiplin Kurulu Üyesi	A.Ü.	Rektörlük
2021-	Dekan Vekili	A.Ü.	Uygulamalı Bilimler Fakültesi
2022-	Elektrikli, Otonom ve İnsansız Araçlar Uygulama ve Araştırma Merkezi (AUTONOM)	A.Ü.	Danışma Kurulu Üyesi
2020-	Sigma Journal of Engineering and	YTÜ	Editör

	Natural Sciences (E-SCI)		
2001-2010	Electrica (E-SCI)	İÜ	Baş Editör
2010-	Electrica (E-SCI)	İÜ	Danışma Kurul Üyesi

## 12. Son iki yılda Verdiğiniz Lisans ve Lisansüstü düzeydeki dersler

Akademik yıl	Ders adı	Haftalık Ders saati			Öğrenci sayısı
		Teori	uyg.	Lab.	
2015-2016	Seminer	0	3	0	50
	Seminer	0	3	0	50
	Seminer	0	3	0	50
	Bitirme Projesi I	2	4	0	10
	Bitirme Projesi II	2	4	0	15
2016-2017	Seminer	0	3	0	50
	Seminer	0	3	0	50
	Seminer	0	3	0	50
	Bitirme Projesi I	2	4	0	10
	Bitirme Projesi II	2	4	0	15

## 13. Diğer İş Deneyimleri

### Bilimsel Aktiviteler

Görev Dönemi	Konusu
1996	IEEE International Conference on Communication Systems and IEEE International Workshop on Intelligent Signal Processing and Communication Systems, Singapore, 1996, (ICCS/ISPACS) Oturum Başkanlığı
1999-2000	IEEE Sinyal İşleme ve Uygulamaları (SIU), Organizasyon Komitesi Üyeliği
1999-2000	“Seventh International Colloquium on: Numerical Analysis and Computer with Applications”, Konferansında çağrılı konuşmacı
1999-2010	“Istanbul University- Journal of Electrical & Electronics Engineering (IU-JEEE)” dergisi Kurucusu ve Baş Editörü (2005 yılından itibaren Engineering Index tarafından taranmaktadır)
2001	“Recent Researches on Electronics and Earth Sciences International Conference (RREESC’2001)” konferansı Kurucu Başkanı
2002	“Turkish Artificial Intelligence and Neural Network Conference (TAINN’2002)”, Teknik Program Başkanı
2002	“International Conference on Electrical and Electronics Engineering, (ELECO’2002)” Konferansı Danışma Kurulu üyesi

2002	“Union Radio Science International (URSI’2002)” Konferansı Teknik Komite üyesi
2002	“International Conference on Earth Sciences and Electronics (ICESE’2002)”konferansı Kurucusu ve Başkanı
2003	“Elektrik-Elektronik-Bilgisayar Mühendisliği 10. Ulusal Kongresi”,oturma başkanlığı
2003	Recent Advances in Space Technologies (RAST)” Uluslararası program komite üyesi
2003	“International Conference on Earth Sciences and Electronics (ICESE’2003) ” konferansı eş Başkanı
2003	“İstanbul Üniversitesi, Mühendislik Fakültesi, Araştırma görevlileri konseyi”, oturma başkanı
2003	Recber Kablo Ltd. Danışman (KOSGEB)
2003	“Applied Automatic Systems (AAS’2003)”, Uluslararası Program komite üyesi
2004	Havacılıkta İleri Teknolojiler ve Uygulamaları Sempozyumu, (HITEK)”Düzenleme komitesi üyesi
2005	Hydrogen Energy Conference, Uluslararası program komite üyesi
2005	Havacılıkta İleri Teknolojiler ve Uygulamaları Sempozyumu, (HITEK)”Düzenleme komitesi üyesi
2005	TMT, Uluslararası program komite üyesi
2006	Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu (ASYU) Bilim Kurulu üyesi
2009	IV. International Workshop on Applications of Wavelets to real world problems, (IWW 2009), Bilim kurulu üyesi,Eğitim program eş başkanı
2010	V. International Symposium on wavelet applications to world problems, (IWW 2010) Başkan yardımcısı
2010-2016	İstanbul Aydın Üniversitesi Elektrik-Elektronik Mühendisliği Bölüm Başkanlığı
2010-2016	“International Journal of Electronics, Mechanical and Mechatronics Engineering (IJEMME)” dergisi kurucusu ve Baş Editörü (EBSCO ve DOAJ tarafından taranmaktadır.)
2010-2016	İstanbul Aydın Üniversitesi Dergisi (IAÜD), Baş Editörü (EBSCO ve DOAJ tarafından taranmaktadır.)
2001-2010	“İstanbul University- Journal of Electrical & Electronics Engineering (IU-JEEE)” dergisi Kurucusu ve bilim kurulu üyesi (2020 yılından itibaren ELECTRA adıyla E-SCI olmuştur)
2010-	ELECTRA dergisi bilim kurul üyesi
2010-	İstanbul Aydın Üniversitesi, Anadolu Bil Meslek Yüksekokulu Dergisi Hakem kurulu üyesi
2011	Yeni Nesil LED Aydınlatma Ar-Ge ve Ölçüm Laboratuvarı” kurulumunda görev alma
2012	“Conference on Image Processing Theory, Tools and Applications (IPTA), IEEE” Konferansı, Düzenleme Kurulu üyesi
2012	“VI. International Workshop on Applications of Wavelets to real world problems”, Bilim kurulu üyesi, Eğitim program eş başkanı
2012	“Persavive Computing and Networked World, ICPCA/SWS”, Düzenleme Kurulu üyesi
2012	İstanbul Aydın Üniversitesi Teknoloji Transfer Ofisi, kurulumunda görev alma
2012	“I. Enformasyon teknolojileri proje yarışması”, kurucu ve Düzenleme Kurulu Üyesi
2012	“I. Robot proje yarışması”, kurucu ve Düzenleme Kurulu Üyesi
2013	“II. Enformasyon teknolojileri proje yarışması”, kurucu ve Düzenleme Kurulu Üyesi

2013	“II. Robot proje yarışması”, kurucu ve Düzenleme Kurulu Üyesi
2014	BM Düzenlenen IGF (Internet Governance Forum) Oturum Başkanlığı
2014	“III. Enformasyon teknolojileri proje yarışması”, kurucu ve Düzenleme Kurulu Üyesi
2014	“III. Robot proje yarışması”, kurucu ve Düzenleme Kurulu Üyesi
2015-2016	International Journal of Food Engineering Research (IJFER) Dergisi Kurucu ve Baş Editörü
2015	“Gıda Mühendisliği 6. Öğrenci Kongresi”, organizasyon kurulu üyesi
2015	Yrd.Doç. Dr. Yavuz Dizdar’ın sunduğu “Yediklerimiz Gerçek mi?” semineri düzenleme kurul üyesi
2015-2016	“International Journal of Civil, Industrial and Food Engineering (IJCIFE)” kurucu ve Editörü
2015	“IV. Enformasyon teknolojileri proje yarışması”, kurucu ve Düzenleme Kurulu Üyesi
2015	“IV. Robot proje yarışması”, kurucu ve Düzenleme Kurulu Üyesi
2015	Deniz Atakay’ın sunduğu "Gıda Kaynaklı Hastalıklar: Fenilketonüri Hastalığı" semineri düzenleme kurul üyesi
2015	“VII. Uluslararası Katılımlı Atmosfer Bilimleri Sempozyumu”, Başkan Yardımcısı
2015	“World Conference on Big Data”Düzenleme kurul üyesi
2015-	Balkan Journal of Electrical & Computer Engineering, Bilim Kurulu Üyesi
2015-	Kırklareli Üniversitesi Mühendislik ve Fen Bilimleri Dergisi, Bilim Kurulu Üyesi
2015-2016	İstanbul Aydın Üniversitesi, Yabancı Dil Eğitimi Yeterlilik Kurul Üyeliği
2015	Aydınlatma Sektöründeki Teknolojik Gelişmeler ve Aydınlik Fikirler Proje Pazarı Düzenleme Komitesi Üyeliği
2016-	Mühendislik Dekanlar Konseyi (MDK) Fakülte/Program Açılmasına İlişkin Standartlar Çalışma Grubu Üyesi
2016	Bölüm, Ders İçerik, ve Öğretim üyesi kalitesini bakımından Mühendislik Fakültesi Bölümlerini Değerlendirme ve Belgelendirme Kuruluşu <b>Mühendislik Eğitim Programları Değerlendirme ve Akreditasyon Derneği (MÜDEK)</b> tarafından Gıda Mühendisliği Akreditasyon alınmasında yönetici olma
2016	Bölüm, Ders İçerik, ve Öğretim üyesi kalitesini bakımından Mühendislik Fakültesi Bölümlerini Değerlendirme ve Belgelendirme Kuruluşu <b>Mühendislik Eğitim Programları Değerlendirme ve Akreditasyon Derneği (MÜDEK)</b> tarafından Endüstri Mühendisliği Akreditasyon alınmasında yönetici olma
2016	Bölüm, Ders İçerik, ve Öğretim üyesi kalitesini bakımından Mühendislik Fakültesi Bölümlerini Değerlendirme ve Belgelendirme Kuruluşu <b>“European Accreditation of Engineering Programmes (EUR-ACE)”</b> , İstanbul Aydın Üniversitesi Mühendislik Fakültesi Gıda Mühendisliği akreditasyonunda yönetici olma
2016	Bölüm, Ders İçerik, ve Öğretim üyesi kalitesini bakımından Mühendislik Fakültesi Bölümlerini Değerlendirme ve Belgelendirme Kuruluşu <b>“European Accreditation of Engineering Programmes (EUR-ACE)”</b> , İstanbul Aydın Üniversitesi Mühendislik Fakültesi Gıda Mühendisliği akreditasyonunda yönetici olma
2016	“V. Enformasyon teknolojileri proje yarışması”, kurucu ve Düzenleme Kurulu Üyesi
2016	“V. Robot proje yarışması”, kurucu ve Düzenleme Kurulu Üyesi



2016-	“AURUM-Journal of Engineering Systems and Architecture (A-JESA)” kurucu ve Baş Editörü
2016-	“Mühendislik ve Doğa Bilimleri” e-Bulten, kurucu ve yayın kurulu üyesi
2017-	“Yaratıcı Çalışma Mekanları Aurum İç Mimarlık Öğrenci Proje Yarışması” kurucu ve jüri üyesi
2017-	“Aurum Mimarlık Öğrenci Yarışması: Fütüristik Kentler”, kurucu ve jüri üyesi
2017-	“AU Robot Teknolojileri Proje Yarışması”, kurucu ve jüri üyesi
2017-	“AU Uluslararası Enformatik Bilimler ve Uygulamaları Proje Yarışması” kurucu ve jüri üyesi
2017	IEEE Conference on ICET2017, Antalya ,Turkey, İcra Komitesi üyesi
2017	The 9th International Symposium on Image Processing, Wavelet and Applications (IWW2017) Başkan Yardımcısı
2017	Altınbaş Üniversitesi, yılın en başarılı akademisyen ödülü
2018	IEEE Conference on ICEMIS 2018, Istanbul, Turkey, İcra Komitesi üyesi
2018	En iyi Araştırma ödülü –IARES org -DATA 2018
2018	9th World Conference on Information Technology, Konferans Başkanı
2018-	AÜ Etik Kurul Komisyon üyeliği
2018-	AÜ Eğitim, Müfredat ve İtibak Komisyonu üyeliği
2018-	AÜ Akademik Personel atama-Yükseltme ve Sahihlik Komisyon üyeliği
2018-	AÜ Sağlık Alanında Üniversite-Sanayi İşbirliği Komisyonu üyeliği
2018-	AÜ İş Sağlığı ve Güvenliği Birimi Yönetim Kurulu Üyesi
2019-	MÜDEK Başvurusunda yönetici olma (Elektrik-Elektronik, İnşaat, Makine, Endüstri, Bilgisayar Müh.)
2019-	MİAK Başvurusunda yönetici olma (Mimarlık)
2019-	EVA Elektrikli Araç Projesi Danışma Kurulu üyesi
2019-	Bölüm, Ders İçerik, ve Öğretim üyesi kalitesini bakımından Mühendislik Fakültesi Bölümlerini Değerlendirme Kuruluşu “ <b>European Accreditation of Engineering Programmes (EUR-ACE)</b> ”, Mühendislik ve Doğa Bilimleri Fakültesi (Elektrik-Elektronik, İnşaat, Makine, Endüstri, Bilgisayar Müh.) akreditasyonunda yönetici olma
2020	Altınbaş Üniversitesi, yılın en başarılı akademisyen ödülü
2021-	Bölüm, Ders İçerik, ve Öğretim üyesi kalitesini bakımından Mühendislik Fakültesi Bölümlerini Değerlendirme Kuruluşu “ <b>European Accreditation of Engineering Programmes (EUR-ACE)</b> ”, Bölüm başkanı olarak Mühendislik ve Doğa Bilimleri Fakültesi, Elektrik-Elektronik Mühendisliği akreditasyonunun alınması
2022	International Conference on Engineering&MIS 2022-Organizasyon Komitesi Üyeliği
2022-	“AURUM Sağlık Bilimleri Dergisi “Baş Editörü

## Profesyonel Kurslar

## Diğer

### Hakemlikler:

IEEE Neural Network Signal Processing Transactions, IEE Communications Journal, IEEE Transaction on Communications, IEEE Communication Magazine, IEEE Industrial Electronics, IEEE Access dergilerinde hakemlik

### Patentler:

- Serkan Kurt, Raşit Cevizci, Osman Nuri Uçan, “Sağır ve Körler için Akım Modlu Yüzeysel Elektrot ile Çevre Seslerini Hissetme Cihazı”, kabul edildi
- Cahit Karakuş, Çağatay Aydın, Doğu Çağdaş Atilla, Oğuz Bayat, Osman Nuri Uçan, Maigalisa Yohanna,” İnsansız Hava Araçları İçin Kablosuz Enerji Transfer İstasyonu” inceleme aşamasında
- Osman Nuri Uçan, Oğuz Bayat, Cahit Karakuş, Mehmet Fatih Erel, Çağatay Aydın, Broadband Radiating Monopole Crescent Antenna, kabul edildi

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<a href="#">Alıntılar</a>	2555
<a href="#">h-endeksi</a>	24
<a href="#">i10-endeksi</a>	72

h-endeksi=24, i10<sub>endeksi</sub>=72, Alıntılar (atıf sayısı) =2555 (Google Scholar)

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