

## Prof. HALİL YİĞİT



### Personal Information

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### International Researcher IDs

ScholarID: ynHLvIwAAAAJ

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Publons / Web Of Science ResearcherID: F-6182-2018

ScopusID: 35613557400

Yoksis Researcher ID: 9523

### Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı, Turkey 2006 - 2010

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı, Turkey 2002 - 2005

Undergraduate, Kocaeli University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, Turkey 1997 - 2002

### Biography

Halil Yiğit was born in Kocaeli, Gölcük in 1977. He received his undergraduate (2002), master's (2005) and doctorate (2010) degrees in the Electronics and Computer Education Department of the same university. Between 2013-2022, he was the Head of the Department of Information Systems Engineering at Kocaeli University, Faculty of Technology. He works as an Associate Professor in the same department. Current research areas include mobile/wireless communication systems, artificial intelligence, optimization and metaheuristics.

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Çok girişli çok çıkışlı (MIMO) sistemlerde kanal tahmini ve hat uyarlaması ile başarımlı iyileştirilmesi, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı, 2010

Postgraduate, Zaman bölüşümlü çift yönlü akıllı anten sistemlerinde vektör kanal tahmini ile performans iyileştirilmesi, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı, 2005

## Research Areas

Communication Networks, Wireless Communication, Computer Networks, Artificial Intelligence, Computer Learning and Pattern Recognition, Heuristic Methods

## Academic Titles / Tasks

Professor, Kocaeli University, Teknoloji Fakültesi, Bilişim Sistemleri Mühendisliği, 2023 - Continues  
Associate Professor, Kocaeli University, Teknoloji Fakültesi, Bilişim Sistemleri Mühendisliği, 2016 - 2023  
Assistant Professor, Kocaeli University, Teknoloji Fakültesi, Bilişim Sistemleri Mühendisliği, 2012 - 2016  
Research Assistant, Kocaeli University, Teknik Eğitim Fakültesi, Elektronik ve Bilgisayar Eğitimi, 2003 - 2012

## Academic and Administrative Experience

Deputy Head of Department, Kocaeli University, Teknoloji Fakültesi, Bilişim Sistemleri Mühendisliği, 2023 - Continues  
Erasmus Program Department Coordinator, Kocaeli University, Teknoloji Fakültesi, Bilişim Sistemleri Mühendisliği, 2016 - Continues  
Fakülte Yönetim Kurulu Üyesi, Kocaeli University, Teknoloji Fakültesi, Bilişim Sistemleri Mühendisliği, 2019 - 2022  
Head of Department, Kocaeli University, Teknoloji Fakültesi, Bilişim Sistemleri Mühendisliği, 2013 - 2022  
Head of Department, Kocaeli University, Fen Bilimleri Enstitüsü, Bilişim Sistemleri Mühendisliği (YI), 2013 - 2022  
Head of Department, Kocaeli University, Fen Bilimleri Enstitüsü, Bilişim Sistemleri Mühendisliği (YI) (Tezsiz) (İö), 2013 - 2022

## Courses

BİLGİSAYAR MİMARİSİ VE ORGANİZASYONU, Postgraduate, 2023 - 2024, 2022 - 2023, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
BİLGİSAYAR AĞLARI, Undergraduate, 2022 - 2023  
İŞLETMEDE MESLEKİ EĞİTİM (UE), Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
VERİ HABERLEŞMESİ, Undergraduate, 2023 - 2024, 2021 - 2022, 2016 - 2017, 2014 - 2015  
MATLAB PROGRAMLAMA, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018  
MATLAB PROGRAMLAMA, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018  
BİLGİSAYAR AĞLARININ MODELLENMESİ, Postgraduate, 2022 - 2023  
BİLGİSAYAR MİMARİ VE ORGANİZASYONU, Undergraduate, 2023 - 2024, 2022 - 2023  
KABLOSUZ AĞ TEKNOLOJİLERİ VE UYGULAMALARI, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
KABLOSUZ ALGILAYICI AĞLAR, Postgraduate, 2022 - 2023  
ADLI BİLİŞİM, Undergraduate, 2021 - 2022, 2017 - 2018  
DİJİTAL VERİ HABERLEŞME SİSTEMLERİ, Postgraduate, 2021 - 2022, 2019 - 2020, 2015 - 2016, 2014 - 2015  
İŞYERİ EĞİTİMİ (UE), Undergraduate, 2020 - 2021  
WEB TASARIMI VE UYGULAMALARI, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
WEB TASARIMI, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
İŞYERİ EĞİTİMİ, Undergraduate, 2019 - 2020, 2016 - 2017  
WEB PROGRAMLAMA, Undergraduate, 2019 - 2020, 2018 - 2019  
PROJE A, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

PROJE B, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
YAZILIM GELİŞTİRME LABORATUVARI-II, Undergraduate, 2018 - 2019  
DİJİTAL DEVRELER, Undergraduate, 2018 - 2019  
İSTATİSTİK VE OLASILIK, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
TEMEL ELEKTRONİK, Undergraduate, 2017 - 2018  
ELEKTRONİK, Undergraduate, 2018 - 2019  
LİNEER CEBİR, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014  
BİLGİSAYAR PROGRAMLAMA, Undergraduate, 2018 - 2019, 2017 - 2018  
KABLOSUZ AĞLARA GİRİŞ, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014  
ELEKTRİK DEVRE TEMELLERİ ve UYGULAMALARI, Undergraduate, 2016 - 2017, 2015 - 2016  
SAYISAL YÖNTEMLER, Undergraduate, 2016 - 2017, 2015 - 2016  
SAYISAL YÖNTEMLER, Undergraduate, 2016 - 2017, 2015 - 2016  
UZAY-ZAMAN KABLOSUZ HABERLEŞME SİSTEMLERİ, Postgraduate, 2015 - 2016, 2014 - 2015, 2012 - 2013  
İŞARET VE SİSTEMLER, Undergraduate, 2016 - 2017, 2015 - 2016  
TEKNİK İNGİLİZCE II, Undergraduate, 2014 - 2015  
Olasılık ve Raslantı Değişkenleri, Undergraduate, 2014 - 2015, 2013 - 2014  
ÇOKLUORTAM SİSTEMLERİ, Postgraduate, 2015 - 2016, 2014 - 2015  
Bilgisayar Mühendisliğinde Matematik Uygulamalar, Undergraduate, 2014 - 2015  
MATEMATİK 1, Undergraduate, 2013 - 2014  
Algoritma ve Programlama - I, Undergraduate, 2013 - 2014  
Temel Bilgi Teknolojileri Kullanımı, Associate Degree, 2013 - 2014

## Advising Theses

Yiğit H., Performance improvement with Machine Learning-based Adaptive Contention Window Size in Coexistence of Wi-Fi and LTE-LAA Technologies at Unlicensed Frequencies, Doctorate, A.Can(Student), Continues  
Yiğit H., Transformer-Based Sentiment Analysis Framework for Textual Hotel Reviews, Postgraduate, F.AMALI(Student), Continues  
Yiğit H., Performance analysis of machine learning and deep learning methods in fingerprint and palm print analysis, Postgraduate, F.İMAMAGZAM(Student), 2023  
Yiğit H., DIAGNOSIS AND CLASSIFICATION OF LUNG CANCER BY DEEP LEARNING TECHNIQUES., Postgraduate, F.Berk(Student), 2023  
Yiğit H., Detection of malware with machine learning methods, Postgraduate, K.MUKHTAROV(Student), 2023  
Yiğit H., OPTIMIZATION OF ORDERING SEARCH RESULT IN EDU.TR WITH EXTENSION WEB PAGE CONTENTS, Postgraduate, E.Şeyma(Student), 2021  
Yiğit H., QUALITY OF EXPERIENCE IN MULTIMEDIA TRANSMISSION OVER IP IN WIRELESS NETWORKS, Postgraduate, S.KANATLI(Student), 2020  
Yiğit H., Sanal sunucu ve konteyner teknolojilerinin performans karşılaştırması ve yazılım geliştirme süreçlerine etkisi, Postgraduate, F.SANUÇ(Student), 2019  
Yiğit H., Eklem kireçlenmesi fizik tedavi takibi için siber fiziksel sistem tasarımı, Postgraduate, F.ATAMTÜRK(Student), 2018  
Yiğit H., Modeling of NMOS element with augmented reality technology, Postgraduate, Y.YÜZÜAK(Student), 2018  
Yiğit H., Çoklu antenli bilişsel radyoda spektrum algılama tekniklerinin incelenmesi, Postgraduate, A.CAN(Student), 2016

## Advising Graduates (Non-Thesis)

Yiğit H., Effective Management of Information Technology Infrastructures of Businesses, Masters (Non-Thesis, Evening Education), Y.BARUT(Student), Continues  
Yiğit H., E-Ticaret ve B2C Uygulaması, Masters (Non-Thesis, Evening Education), A.Yalkın(Student), 2021

Yiğit H., Sanallaştırma Teknolojisi, Masters (Non-Thesis, Evening Education), F.AÇIKGÖZ(Student), 2021  
Yiğit H., Askeri Alanda Hareket Algılayan ve Takip Edebilen Güvenlik Sistemi, Masters (Non-Thesis, Evening Education), O.KARDAŞ(Student), 2018  
Yiğit H., Büyük Veri ve Kocaeli Kent İçi Raylı Ulaşım Sistemi Yolculuk Analizi , Masters (Non-Thesis, Evening Education), İ.YÜCEL(Student), 2018  
Yiğit H., Sanallaştırma ve Bulut Bilişim, Masters (Non-Thesis, Evening Education), İ.KALAYCI(Student), 2018  
Yiğit H., Dağıtık Yapıda Entegrasyon Yazılımı, Masters (Non-Thesis, Evening Education), H.MENEKŞE(Student), 2018  
Yiğit H., Her Yönüyle Yeni Bir Sosyal Medya Yaklaşımının İncelenmesi, Masters (Non-Thesis, Evening Education), M.HÜCÜMEN(Student), 2018

## Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, January, 2021  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, January, 2021  
Doctoral Examination, Doctoral Examination, Düzce Üniversitesi, November, 2020  
Post Graduate, Post Graduate, Sakarya Üniversitesi, August, 2020  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, November, 2019  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, November, 2019  
Post Graduate, Post Graduate, Yalova Üniversitesi, September, 2019  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, July, 2019  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, July, 2019  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, December, 2018  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Düzce Üniversitesi, November, 2018  
Post Graduate, Post Graduate, Düzce Üniversitesi, March, 2018  
Doctoral Examination, Doctoral Examination, Sakarya Üniversitesi, November, 2017

## Taught Courses And Trainings

Yiğit H., USTAM KOCAELİ YAZILIM UZMANLIĞI EĞİTİM PROGRAMI, 2021 - 2021

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Diagnosis of Lung Cancer from Computed Tomography Scans with Deep Learning Methods**  
Seyrek F. B., Yiğit H.  
JOURNAL OF UNIVERSAL COMPUTING SCIENCE, vol.30, no.8, pp.1-23, 2024 (SCI-Expanded)
- II. **Optimization of laser-texturing process parameters of Ti6Al4V alloys using metaheuristic algorithms**  
Ürgün S., Yiğit H., Fidan S., Sınmazçelik T., Canel T.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART E: JOURNAL OF PROCESS MECHANICAL ENGINEERING, vol.238, no.2, pp.1-10, 2024 (SCI-Expanded)
- III. **Optimization of Laser Cutting Parameters for PMMA Using Metaheuristic Algorithms**  
ÜRGÜN S., YİĞİT H., FİDAN S., SINMAZÇELİK T.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 2024 (SCI-Expanded)
- IV. **Comparison of recent metaheuristic optimization algorithms to solve the SHE optimization problem in MLI**

Yiğit H., Ürgün S., Mirjalili S.

NEURAL COMPUTING & APPLICATIONS, vol.35, no.10, pp.7369-7388, 2023 (SCI-Expanded)

- V. **Estimation of road surface type from brake pressure pulses of ABS**  
YİĞİT H., KÖYLÜ H., EKEN S.  
Expert Systems with Applications, vol.212, 2023 (SCI-Expanded)
- VI. **Investigation of Recent Metaheuristics Based Selective Harmonic Elimination Problem for Different Levels of Multilevel Inverters**  
Ürgün S., Yiğit H., Mirjalili S.  
ELECTRONICS (Basel), vol.12, no.4, pp.1-26, 2023 (SCI-Expanded)
- VII. **A novel approach on improvement of the dynamic wheel load oscillations by integrating suspension system into ABS during braking with ABS**  
KÖYLÜ H., YİĞİT H.  
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.43, no.7, 2021 (SCI-Expanded)
- VIII. **Augmented reality application in engineering education: N-Type MOSFET**  
Yüzüak Y., Yiğit H.  
International Journal Of Electrical Engineering Education, no.2020, pp.1-13, 2020 (SCI-Expanded)
- IX. **ABC-based distance-weighted kNN algorithm**  
Yigit H.  
JOURNAL OF EXPERIMENTAL & THEORETICAL ARTIFICIAL INTELLIGENCE, vol.27, no.2, pp.189-198, 2015 (SCI-Expanded)
- X. **A learning approach in link adaptation for MIMO-OFDM systems**  
YİĞİT H., KAVAK A.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.21, no.5, pp.1465-1478, 2013 (SCI-Expanded)
- XI. **Analytical Derivation of 2 x 2 MIMO Channel Capacity in Terms of Multipath Angle Spread and Signal Strength**  
YİĞİT H., KAVAK A.  
FREQUENZ, vol.66, pp.97-100, 2012 (SCI-Expanded)
- XII. **Capacity Improvement for TDD-MIMO Systems via AR Modeling Based Linear Prediction**  
YİĞİT H., KAVAK A., KÜÇÜK K.  
WIRELESS PERSONAL COMMUNICATIONS, vol.52, no.2, pp.411-418, 2010 (SCI-Expanded)
- XIII. **A Practical Space-Code Correlator Receiver for DSP Based Software Radio Implementation in CDMA2000**  
KÜÇÜK K., KAVAK A., KARAKOC M., YİĞİT H., Ozdemir C.  
WIRELESS PERSONAL COMMUNICATIONS, vol.49, no.2, pp.245-261, 2009 (SCI-Expanded)
- XIV. **Using adaline neural network for performance improvement of smart antennas in TDD wireless communications**  
Kavak A., Yigit H., Ertunc H. M.  
IEEE TRANSACTIONS ON NEURAL NETWORKS, vol.16, no.6, pp.1616-1625, 2005 (SCI-Expanded)
- XV. **Autoregressive and neural network model based predictions for downlink beamforming**  
YİĞİT H., Kavak A., Ertunc M.  
ADVANCES IN NEURAL NETWORKS - ISSN 2004, PT 2, vol.3174, pp.254-261, 2004 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Review of Artificial Intelligence Based Beam Tracking Techniques for mmWave 5G and Beyond Networks**  
Hakim N., Kavak A., Yiğit H.  
International Journal of Emerging Trends in Engineering Research, vol.11, no.5, pp.159-167, 2023 (Peer-Reviewed)

Journal)

- II. **Cyber-Physical System based E-Health: Knee Joint Physical Therapy Monitoring**  
Atamtürk F., Yiğit H.  
Kocaeli Journal of Science and Engineering, vol.5, no.1, pp.54-62, 2022 (Peer-Reviewed Journal)
- III. **Selective Harmonic Eliminated Pulse Width Modulation (SHE-PWM) Method using Genetic Algorithm in Single-Phase Multilevel Inverters**  
Ürgün S., Yiğit H.  
International Journal on Electrical Engineering and Informatics, vol.13, no.1, pp.191-202, 2021 (Scopus)
- IV. **MIMO Sistemlerde Alamouti Uzay Zaman Blok Kodlamanın Weibull Sönümlenme Kanalı Üzerindeki Performans Analizi**  
Çakır A. C., Yiğit H., Küçük K.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.7, pp.2010-2018, 2019 (Peer-Reviewed Journal)
- V. **Implementation and Performance Analysis of a Novel Smart Antenna Algorithm for 3G CDMA Systems**  
KÜÇÜK K., MUSTAFA K., KAVAK A., YİĞİT H.  
Journal of The Faculty of Engineering and Architecture of Gazi University, vol.21, pp.801-808, 2006 (Scopus)
- VI. **Adaptive Linear Prediction based Downlink Beamforming for Wireless Communication Systems**  
YİĞİT H., KAVAK A.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.18, pp.409-419, 2005 (Peer-Reviewed Journal)
- VII. **Overview of Smart Antenna Methodologies for Mobile Communications**  
KARAKOÇ M., YİĞİT H., KÜÇÜK K., KAVAK A.  
Journal of Naval Science and Engineering, vol.2, pp.51-66, 2004 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Selective Harmonic Optimization using Whale Optimization Algorithm in Multilevel Inverter and AC-AC Chopper**  
Ürgün S., Yiğit H.  
in: Handbook of Whale Optimization Algorithm Variants, Hybrids, Improvements, and Applications, Seyedali Mirjalili, Editor, Elsevier Science, Oxford/Amsterdam , Oxford, pp.435-448, 2023

## Refereed Congress / Symposium Publications in Proceedings

- I. **Sentiment Analysis of Hotel Reviews using Deep Learning Approaches**  
Amali F., Yiğit H., Kilimci Z. H.  
8th Open International Conference 'Electrical, Electronic and Information Sciences' eStream 2024, Vilnius, Lithuania, 25 April 2024, pp.1-7
- II. **DIAGNOSIS AND CLASSIFICATION OF LUNG CANCER BY DEEP LEARNING AND TRANSFER LEARNING TECHNIQUES**  
SEYREK F. B., YİĞİT H.  
International Marmara Sciences Congress, Kocaeli, Turkey, 09 December 2022, pp.381-390
- III. **MAKİNE ÖĞRENMESİ YÖNTEMLERİ İLE KÖTÜCÜL YAZILIMIN PE DOSYALARI ÜZERİNDEN TESPİTİ**  
MUKTHAROV K., YİĞİT H.  
International Marmara Sciences Congress, Kocaeli, Turkey, 09 December 2022, pp.442-447
- IV. **PARMAK İZİ VE AVUÇ İZİ ANALİZİNDE DERİN ÖĞRENME VE MAKİNE ÖĞRENMESİ**  
İMAMAGZAM F., YİĞİT H.  
International Marmara Sciences Congress, Kocaeli, Turkey, 9 - 10 December 2022, pp.176-183
- V. **ARAMA MOTORLARI İÇİN YENİ BİR WEB SAYFASI SIRALAMA ALGORİTMA YAKLAŞIMI**  
ALTINTAŞ E. Ş., YİĞİT H., ALTINTAŞ A.

International Marmara Sciences Congress (Spring) 2021, Kocaeli, Turkey, 21 May 2021, pp.294-301

- VI. **Kablosuz Ağlarda IP üzerinden Çoklu Ortam İletiminde Kullanıcı Deneyimi Kalitesi**  
Kanath S., Yiğit H.  
3rd International Engineering Research Symposium (INERS'19), Düzce, Turkey, 5 - 07 September 2019, pp.518-522
- VII. **Malicious Relay Node Detection with Unsupervised Learning in Amplify-Forward Cooperative Networks**  
Yengi Y., Kavak A., Arslan H., Küçük K., Yiğit H.  
International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT), Sitrah, Bahrain, 22 - 23 September 2019, pp.1-5
- VIII. **A Survey: Internet of Things based Smart Cities**  
Çakır A. C., Yiğit H.  
8. International Vocational School Symposium (UMYOS'19), Sinop, Turkey, 11 - 13 June 2019, pp.691-702
- IX. **SANAL SUNUCU VE KONTEYNER TEKNOLOJİLERİNİN PERFORMANS KARŞILAŞTIRMASI VE YAZILIM GELİŞTİRME SÜREÇLERİNE ETKİSİ**  
Sanuç F., Yiğit H.  
Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi (Bahar 2019), Kocaeli, Turkey, 26 - 28 April 2019, pp.1681-1688
- X. **BITCOIN PRICE PREDICTION USING SUPERVISED LEARNING ALGORITHMS**  
Özkul M., Yiğit H.  
Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi (Bahar 2019), Kocaeli, Turkey, 26 - 28 April 2019, pp.1436-1440
- XI. **Matlab/Gui Based Communication System Training Application**  
Çakır A. C., Yiğit H.  
INTERNATIONAL MARMARA SCIENCE AND SOCIAL SCIENCES CONGRESS, Kocaeli, Turkey, 23 - 25 November 2018, pp.839-845
- XII. **ARTIRILMIŞ GERÇEKLİK TEKNOLOJİSİ İLE NMOS MODELLENMESİ**  
YÜZÜAK Y., YİĞİT H.  
III. Uluslararası Mesleki ve Teknik Bilimler Kongresi, Gaziantep, Turkey, 21 - 22 June 2018, pp.442
- XIII. **ADLI BİLİŞİMDE VERİ KAZIMA ARAÇLARININ BAŞARIM DEĞERLENDİRİLMESİ**  
BAYRAKDAR B., YİĞİT H.  
3.ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, Kocaeli, Turkey, 4 - 05 May 2018, pp.372
- XIV. **EKLEM KİREÇLENMESİ FİZİK TEDAVİ TAKİBİ İÇİN SİBER FİZİKSEL SİSTEM TASARIMI**  
ATAMTÜRK F., YİĞİT H.  
3.ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, Kocaeli, Turkey, 4 - 05 May 2018, pp.23
- XV. **Training Application of Cognitive Radio using MATLAB/GUI**  
ÇAKIR A. C., YİĞİT H.  
8th International Advanced Technologies Symposium, Elazığ, Turkey, 19 - 21 October 2017, pp.1521-1524
- XVI. **Spectrum sensing performance with adaptive threshold in MIMO cognitive radio**  
Çakır A. C., Yiğit H.  
2017 25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017, pp.1-4
- XVII. **Akıllı Telefonlar İçin QR Kod Destekli Durak Otomasyonu**  
Uzunmehmet H., Yiğit H.  
4th International Symposium on Innovative Technologies in Engineering and Science (ISITES 2016), Antalya, Turkey, 3 - 05 November 2016, pp.1-8
- XVIII. **Exploiting Multiple Antennas for Spectrum Sensing in Cognitive Radio**  
ÇAKIR A. C., YİĞİT H.  
5th International Vocational Schools Symposium (UMYOS 2016), Prizren, KOSOVA, 18 - 20 May 2016
- XIX. **Bilişsel Radyoda Enerji Sezme Tabanlı Spektrum Algılama**  
ÇAKIR A. C., YİĞİT H.



Uluslararası Meslek Yüksekokulları Sempozyumu (UMYOS 2015), Yalova, Turkey, 21 - 23 May 2015, vol.752

- XX. **Channel Effect on Performance of Energy Based Spectrum Sensing in MIMO Cognitive Radio**  
ÇAKIR A. C., YİĞİT H.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.2086-2089
- XXI. **A Weighting Approach for KNN Classifier**  
YİĞİT H.  
International Conference on Electronics, Computer and Computation (ICCECO 2013), Ankara, Turkey, 7 - 09 November 2013, pp.228-231
- XXII. **MIMO OFDM Sistemlerde Yapay Sinir Ağı ile Hat Adaptasyonu**  
YİĞİT H., KAVAK A.  
Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu (ASYU 2010), Kayseri, Turkey, 21 - 24 June 2010, pp.30-34
- XXIII. **Adaptation Using Neural Network in Frequency Selective MIMO OFDM Systems**  
YİĞİT H., KAVAK A.  
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Küçük K., Yiğit H., Project Supported by Higher Education Institutions, DÜŞÜK MALİYETLİ GERÇEK ZAMANLI KABLOSUZ YEREL ALAN AĞI PROTOTİPİ TASARIMI, 2013 - 2013

Yiğit H., Kavak A., Project Supported by Higher Education Institutions, Çoklu Giriş Çoklu Çıkış MIMO Sistemlerde Kanal Tahmini ile Performans İyileştirmesi, 2010 - 2012

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## Activities in Scientific Journals

JOURNAL OF UNIVERSAL COMPUTING SCIENCE, Committee Member, 2022 - Continues  
Kocaeli Journal of Science and Engineering, Committee Member, 2018 - Continues  
Kocaeli Üniversitesi Fen Bilimleri Dergisi, Committee Member, 2018 - Continues  
Turkish Journal Of Electrical Engineering And Computer Sciences, Editor, 2021 - 2021  
Sakarya University Journal of Science, Committee Member, 2017 - 2019

## Scientific Refereeing

ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, Journal Indexed in SCI-E, October 2023  
Journal of innovative engineering and natural science (Online), National Scientific Refreed Journal, September 2023  
JOURNAL OF KING SAUD UNIVERSITY - COMPUTER AND INFORMATION SCIENCES, Journal Indexed in SCI-E, January 2023  
Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, National Scientific Refreed Journal, June 2022  
Balkan Journal of Electrical and Computer Engineering, National Scientific Refreed Journal, May 2022  
INTERNET OF THINGS, Journal Indexed in SCI-E, March 2022  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART C: JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, February 2022  
CONCURRENCY COMPUTATION PRACTICE AND EXPERIENCE, Journal Indexed in SCI-E, January 2022  
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, January 2022  
JOURNAL OF UNIVERSAL COMPUTING SCIENCE, Journal Indexed in SCI-E, April 2021  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, April 2021  
International Journal of Applied Mathematics, Electronics and Computers, National Scientific Refreed Journal, September 2020  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, National Scientific Refreed Journal, August 2020  
IEEE SENSORS JOURNAL, Journal Indexed in SCI-E, July 2020  
Kocaeli Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, March 2020  
IEEE SENSORS JOURNAL, Journal Indexed in SCI-E, March 2019  
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Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, National Scientific Refreed Journal, October 2017  
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TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, Journal Indexed in SCI-E, March 2017  
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, National Scientific Refreed Journal, January 2017  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, SCI Journal, June 2016

## Tasks In Event Organizations

Yıldırım M., Yiğit H., Gürel H. H., Solak S., Eken S., Sondaş A., Uçar M. H. B., Fatihoglu Y. S., Metin A., Ilkin S., et al.,  
International Conference on INnovations in Intelligent SysTems and Applications (IEEE INISTA 2021), Scientific  
Congress, Kocaeli, Turkey, Ağustos 2021

## Metrics

Publication: 64  
Citation (WoS): 130  
Citation (Scopus): 191  
H-Index (WoS): 6  
H-Index (Scopus): 7

## **Invited Talks**

Milli Eğitim Bakanlığı öğretmenlerine yönelik Mesleki Teknik Eğitim Seminerleri , Seminar, Kocaeli İl Milli Eğitim Müdürlüğü, Turkey, June 2017

## **Scholarships**

2214-YURT DIŐI ARAŐTIRMA BURS PROGRAMI , TUBITAK, 2009 - 2009

## **Non Academic Experience**

University, University of Texas at Austin, Electrical and Computer Engineering Dept. (Wireless Networking and Communications Group)

Electrical and Computer Engineering Dept. (Wireless Networking and Communications Group), University of Texas at Austin, USA

National Education Directorate, Misakı Milli İlköğretim Okulu, Misakı Milli İlköğretim Okulu  
Misakı Milli İlköğretim Okulu