

## Prof. HAYRİYE KORKMAZ

### Personal Information

Office Phone: [+90 216 777 3830](tel:+902167773830)

Email: [hkorkmaz@marmara.edu.tr](mailto:hkorkmaz@marmara.edu.tr)

Web: <https://avesis.marmara.edu.tr/hkorkmaz>

### International Researcher IDs

ScholarID: aXQ8oBwAAAAJ&hl

ORCID: 0000-0002-5994-7587

Publons / Web Of Science ResearcherID: AAA-4681-2019

ScopusID: 9038956500

Yoksis Researcher ID: 172456

### Education

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Turkey 1995 - 2002

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Turkey 1993 - 1995

Undergraduate, Marmara University, Faculty of Technical Education, Electronic and Computer Education, Turkey 1989 - 1993

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Vocational Training, How to get published, The Institution of Engineering and Technology, 2019

Vocational Training, Dergipark Ulakbim Dergi Sistemleri (UDS) Kullanıcı Eğitimi, TÜBİTAK ULAKBİM, 2016

Vocational Training, TR Dizin Editör Çalıştayı, TÜBİTAK ULAKBİM , 2016

Vocational Training, NI Embedded Control and Monitoring Course , NI Asia Minor, 2016

Vocational Training, Editör ve Yazar 2. Eğitim Semineri, TÜBİTAK ULAKBİM, 2015

Vocational Training, TUYAD Akademi - Uydu Teknolojileri Semineri , TUYAD Uydu Elektronik İletişim İş İnsanları Derneği , 2015

Vocational Training, Endnote Kaynakça Programı Eğitimi, Marmara Üniversitesi, 2014

Project Management, Ulusal Akademik AR-GE Destek Programları Tanıtımı ve Proje Önerisi Hazırlama Eğitimi, TÜBİTAK ARDEB, 2014

Vocational Training, WILEY, Writing Great papers in International Journals , An Introduction for Researchers, Marmara Üniversitesi, 2013

Vocational Training, Matlab Fundamentals and Programming Techniques, ODTÜ SEM, 2006

Vocational Training, E-Öğrenim ve Elektronik Ders İçeriği Tasarımı , Macromedia Türkiye Temsilcisi Medyasoft, 2004

Vocational Training, LabVIEW and National Instruments Hardware, MeasX Measurement System Expert, 2003

Vocational Training, Seminar Automation Technology: Electronics, Control Technique, Drivers, PLC Professional Drive Units, LUCAS NULLE For Future-Oriented Education, 2003

## Dissertations

Doctorate, Sıcaklık ve vakum oranı kontrol edilebilen laboratuvar tipi bir fırının tasarlanması ve gerçekleştirimi, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Electronics-Computer Education, 2002

Postgraduate, TV yayın sistemlerinin gelişimi, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Electronics-Computer Education, 1995

## Research Areas

Biomedical Image Processing, Electrical and Electronics Engineering, Sensing Devices and Transducers, Electronic Circuits

## Academic Positions

Professor, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2019 - Continues

Associate Professor, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2011 - 2019

Assistant Professor, Marmara University, Faculty of Technical Education, Electronic and Computer Education, 2003 - 2010

Research Assistant, Marmara University, Faculty of Technical Education, Electronic and Computer Education, 2002 - 2003

Research Assistant, Marmara University, Faculty of Technical Education, Electronic and Computer Education, 1994 - 2002

## Academic and Administrative Experience

Head of Department, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2018 - Continues

Institute Board Member, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Electrical and Electronics Engineering, 2017 - Continues

Erasmus Program Institutional Coordinator, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2011 - 2022

Faculty Management Board Member, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2017 - 2019

Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2014 - 2017

Marmara University, Faculty of Technology, Elektrik Ve Elektronik Mühendisliği Bölümü, 2011 - 2014

Marmara University, Faculty of Technical Education, Electronic and Computer Education, 2010 - 2011

## Courses

### Postgraduate

Dağıtık Ölçme ve Enstrümantasyon, Postgraduate, 2020 - 2021

PC tabanlı Veri Toplama, Postgraduate, 2019 - 2020

Gömülü Sistem Programlama, Postgraduate, 2018 - 2019

### Undergraduate

Ölçme ve Enstrümantasyon, Undergraduate, 2020 - 2021

Ölçme ve Enstrümantasyon, Undergraduate, 2018 - 2019

Elektronik 1, Undergraduate, 2019 - 2020

Elektronik 2 , Undergraduate, 2018 - 2019

## Supervised Theses

- Korkmaz H., HIFU (Yüksek Yoğunluklu Odaklanmış Ultrason) Uygulamasında Harmonik Frekanslarda Sürücü Elektronik Tasarımı, Postgraduate, M.Emin(Student), Continues
- Korkmaz H., Dielektrik/Metal/Dielektrik Konfigürasyonlu Nano Kaplamalı Camların Isıl İşlem Sonrası Düşük Yayımlı Parametrelerinin Hibrid Modelleme Yöntemleri ile Kestirimi, Doctorate, H.YENGİNER(Student), Continues
- Korkmaz H., Endüstride uzaktan izleme kontrol ve bakım yöntemlerine çözüm önerisi olacak bir cihaz tasarımı, Postgraduate, M.BEZENK(Student), 2024
- Korkmaz H., FPGA tabanlı PCB hata tespitinde derin öğrenme uygulaması, Postgraduate, İ.BUDAK(Student), 2024
- Korkmaz H., EVRİMSEL ALGORİTMA TABANLI ALGILAYICI DÜĞÜMLERİ DAĞITMA ALGORİTMASI, Doctorate, S.BİRTANE(Student), 2024
- Korkmaz H., Rulman yağlama sistemi test otomasyonu ve arayüzü geliştirilmesi, Postgraduate, İ.ATİZ(Student), 2024
- Korkmaz H., FPGA üzerinde düşük güç tüketimi odaklı sistem gerçekleştirilmesi ve performans analizi, Postgraduate, H.GÜRBÜZ(Student), 2024
- Korkmaz H., Akıllı kargo takip ve güvenlik sistemi, Postgraduate, İ.BAŞARAN(Student), 2024
- Korkmaz H., Yüksek Frekans Geniş Bantlı Wilkinson Güç Bölücü Tasarımı ve Gerçeklenmesi, Postgraduate, R.Hatipzade(Student), 2023
- Korkmaz H., Endüstride uzaktan erişimi kolaylaştırabilecek özgün bir izleme arayüzü ve donanımının geliştirilmesi, Postgraduate, E.DEMİR(Student), 2023
- Korkmaz H., Döner Tipte Tek Yüzlü Aktif Faz Dizili Radarlarda Bulanık Mantık Tabanlı Hüzme Yönetimi, Postgraduate, M.Çınar(Student), 2021
- Korkmaz H., PROGRAMLANABİLİR CİHAZLARIN SESLİ UZAKTAN KONTROLÜ İÇİN MOBİL UYGULAMA, Postgraduate, B.ECE(Student), 2019
- Korkmaz H., UÇAK BAKIM EĞİTİM SETLERİNE YÖNELİK KULLANICI ARAYÜZÜ GELİŞTİRİLMESİ, Postgraduate, E.AKAR(Student), 2019
- Korkmaz H., Uçak kabin basınçlandırma eğitim seti geliştirilmesi, Postgraduate, C.URASLI(Student), 2019
- Erdal H., Korkmaz H., Hibrit ve elektrikli metrobüs araçları için sürüş çevrimi oluşturulması, Doctorate, H.KAYMAZ(Student), 2018
- Korkmaz H., Yapay görü teknikleri ile şerit çizgisi algılama ve sınıflandırma, Postgraduate, H.YENGİNER(Student), 2018
- Korkmaz H., Hafif elektrikli araçlar için akıllı, FSDAM sürücü ve kontrolör tasarımı, Postgraduate, G.TATAR(Student), 2017
- Korkmaz H., FPGA ile özel amaçlı bir giriş/çıkış kartı emülatörü, Doctorate, S.BAL(Student), 2014
- Korkmaz H., RFID ve XBEE tabanlı depo yönetim sistemi tasarımı ve gerçekleştirilmesi, Postgraduate, B.BEKTAŞ(Student), 2014
- Korkmaz H., İç mekan haritalama amaçlı gezgin robot uygulaması, Postgraduate, E.COŞGUN(Student), 2013
- KORKMAZ H., Labview tabanlı hedef takip sisteminin geliştirilmesi, Postgraduate, M.OĞUZHAN(Student), 2013
- KORKMAZ H., Omurilik şekil bozukluklarının sınıflandırılmasına yönelik yazılım geliştirme, Postgraduate, S.Birtane(Student), 2013
- Korkmaz H., Mikrodenetleyici tabanlı kablosuz veri toplama uygulamaları, Postgraduate, Ö.ERİŞ(Student), 2010
- Korkmaz H., Omurga şekil bozukluğu analiz ve teşhisine yönelik yazılım geliştirme, Doctorate, N.KORKMAZ(Student), 2008
- Korkmaz H., Eğitim amaçlı spektrofotometre tasarımı ve uygulamaları, Postgraduate, O.ÖZYETGİN(Student), 2008
- Korkmaz H., Mikrodenetleyici tabanlı sesli bilgilendirme sistemi oto göz, Postgraduate, S.COŞKUN(Student), 2008
- Korkmaz H., Uzaktan erişimli elektronik laboratuvarı tasarımı, Postgraduate, S.AZAKLAR(Student), 2007
- KORKMAZ H., Uzaktan erişimli elektronik laboratuvarı tasarımı, Postgraduate, S.Azaklar(Student), 2007
- Korkmaz H., Web tabanlı etkileşimli, animasyon ve simülasyon içerikli elektronik dersi tasarımı, Postgraduate, U.BURAK(Student), 2006

## Journal articles indexed in SCI, SSCI, and AHCI

- I. **Technical teacher training program for engineering integration in K-12 education**  
Bal S., Sarıkaş A., Yayla A., Başıpınar U., Altınay S., Baba A. F., Erdal H., Korkmaz H.  
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.32, no.4, pp.1-16, 2024 (SCI-Expanded)
- II. **Vibrational Genetic Algorithm-based Deployment of Wireless Sensor Networks with Heterogeneous Nodes in Irregularly Shaped Areas**  
Birtane S., Sahingoz O. K., KORKMAZ H.  
IEEE Access, vol.12, pp.62926-62941, 2024 (SCI-Expanded)
- III. **Development of a remote laboratory for an electronic circuit design and analysis course with increased accessibility by using speech recognition technology**  
Yayla A., Korkmaz H., Buldu A., Sarıkaş A.  
Computer Applications in Engineering Education, vol.29, pp.897-910, 2021 (SCI-Expanded)
- IV. **Development of a driving cycle for Istanbul bus rapid transit based on real-world data using stratified sampling method**  
Kaymaz H., Korkmaz H., Erdal H.  
Transportation Research Part D: Transport and Environment, vol.75, pp.123-135, 2019 (SCI-Expanded)
- V. **Fuzzy logic based risk assessment system giving individualized advice for metabolic syndrome and fatal cardiovascular diseases**  
Korkmaz H., Çanayaz E., Birtane S., Altıkardes A.  
TECHNOLOGY AND HEALTH CARE, vol.27, 2019 (SCI-Expanded)
- VI. **A novel method for dipper/non-dipper pattern classification in hypertensive and non-diabetic patients**  
Altıkardes Z. A., Kayikli A., Korkmaz H., Erdal H., Baba A. F., Fak A. S.  
TECHNOLOGY AND HEALTH CARE, vol.27, 2019 (SCI-Expanded)
- VII. **Personal computer-based visible spectrophotometer design**  
BÖCEKÇİ V. G., Ozyetgin O., TOKER K., KORKMAZ H.  
MEASUREMENT & CONTROL, vol.51, pp.311-320, 2018 (SCI-Expanded)
- VIII. **Comparison of Photodetector Performances in a Color Filtered Spectrophotometer**  
Bocekci V. G., Korkmaz H.  
ACTA PHYSICA POLONICA A, vol.134, no.1, pp.329-331, 2018 (SCI-Expanded)
- IX. **Rule-based fuzzy classifier for spinal deformities**  
Birtane S., KORKMAZ H.  
BIO-MEDICAL MATERIALS AND ENGINEERING, vol.24, no.6, pp.3311-3319, 2014 (SCI-Expanded)
- X. **A Remotely Accessible and Configurable Electronics Laboratory Implementation by Using LabVIEW**  
Azaklar S., KORKMAZ H.  
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.18, no.4, pp.709-720, 2010 (SCI-Expanded)
- XI. **A USB Kit for Digital I/O Applications in a Digital Electronics Lab Designed by Using PIC16C765 Microcontroller**  
BULDU A., KORKMAZ H.  
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.17, no.2, pp.131-138, 2009 (SCI-Expanded)
- XII. **A thermal expansion measurement system using a high-temperature unguided half-bridge displacement transducer**  
Korkmaz H., Can B.  
IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol.54, no.5, pp.1984-1988, 2005 (SCI-Expanded)

## Articles Published in Other Journals

- I. **An Embedded System Design to Build Real-Time 2D Maps for Unknown Indoor Environments**

COŞGUN E., KORKMAZ H., TOKER K.

Sakarya University Journal of Science, vol.23, pp.1, 2019 (Peer-Reviewed Journal)

- II. **Hareketli hedef takip sisteminde genelleştirilmiş Hough dönüşümü (GHT) ve normalleştirilmiş çapraz ilinti (NCC) yöntemlerini ardışıl kullanarak eşleşme doğruluğunun artırılması**

YAĞIMLI M., KORKMAZ H., ÜN M. O.

SAÜ Fen Bilimleri Enstitüsü Dergisi, vol.22, pp.94-101, 2018 (Peer-Reviewed Journal)

- III. **Konuşma Tanıma Teknolojisi Kullanarak Devre Analizi Uygulama Arayüzü**

YAYLA A., BULDU A., KORKMAZ H.

Journal of Research in Education and Teaching, vol.5, pp.169-176, 2016 (Peer-Reviewed Journal)

- IV. **Performance evaluation of classification algorithms by excluding the most relevant attributes for dipper non dipper pattern estimation in Type 2 DM patients**

Altıkardeş Z. A., Erdal H., Baba A. F., Fak A. S., Korkmaz H.

International Journal of Computer Information Systems and Industrial Management Applications, vol.8, pp.247-256, 2016 (Scopus)

- V. **RFID and XBee based Automated Verification of Put away Operation for Warehouse Management Systems**

BEKTAŞ B., KORKMAZ H.

International Journal of Computer Information Systems and Industrial Management Applications, vol.8, pp.145-153, 2016 (Scopus)

- VI. **Web Tabanlı Eğitimde Planlama ve Organizasyon**

Altıkardeş Z. A., Korkmaz H., Çamurcu A. Y.

Sakarya Üniversitesi Eğitim Fakültesi Dergisi, vol.1, pp.396-402, 2001 (Peer-Reviewed Journal)

## Books

- I. **A Mobile Application for Voice and Remote Control of Programmable Instruments**

ECE B., YAYLA A., KORKMAZ H.

in: Smart Industry Smart Education, Auer, Michael E., Langmann, Reinhard, Editor, Springer, pp.479, 2019

## Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Performance of Hyperparameters in Prediction with Deep Neural Networks of Electrical Properties of Nano-Coated Glasses Nano-Kaplamalı Camların Elektriksel zelliklerinin Derin Sinir Ağları ile Tahmininde Hiper Parametrelerin Performansı**

Yenginer H., Eraslan S., Gundogdu B., KORKMAZ H.

2023 Innovations in Intelligent Systems and Applications Conference, ASYU 2023, Sivas, Turkey, 11 - 13 October 2023, (Full Text)

- II. **A Novel Monitoring Dashboard And Hardware Implementation Simplifying The Remote Access In Industry**

Demir E., KORKMAZ H.

6th IEEE International Workshop on Metrology for Industry 4.0 and IoT, MetroInd4.0 and IoT 2023, Brescia, Italy, 6 - 08 June 2023, pp.399-403, (Full Text)

- III. **Design of Three-Stage Two-Way and Four-Way 2-6 GHz Power Combiner Üç-Kat İki-Yol ve Dört-Yol 2-6 GHz Düşük Kayıplı Güç Birleştiricisi Tasarımı**

Hatıpzade R., Kizilbey O., KORKMAZ H.

31st IEEE Conference on Signal Processing and Communications Applications, SIU 2023, İstanbul, Turkey, 5 - 08 July 2023, (Full Text)

- IV. **Efficient Deployment of Wireless Sensor Nodes with Evolutionary Approaches**

Birtane Akar S., KORKMAZ H., Sahingoz O. K.

4th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, HORA 2022, Ankara, Turkey, 9 - 11 June 2022, (Full Text)

- V. **A Cross Platform Mobile Application Development for Voice and Remote Control of Programmable Instruments**  
Ece B., Yayla A., Korkmaz H.  
2020 Innovations in Intelligent Systems and Applications Conference (ASYU), İstanbul, Turkey, 15 - 17 October 2020, (Full Text)
- VI. **LabVIEW FPGA Based BLDC motor control by using field oriented control algorithm**  
Tatar G., KORKMAZ H., Serteller N. F. O., TOKER K.  
3rd International Conference on Smart Energy Systems and Technologies, SEST 2020, Virtual, Istanbul, Turkey, 7 - 09 September 2020, (Full Text)
- VII. **A Practical Method for Identifying Lesions Caused by HIFU Application: Egg White Phantom HIFU uygulaması sonucu oluşan lezyonların belirlenmesi için pratik bir yöntem: yumurta aki fantomu**  
Cetin E., Karaboce B., Durmus H. O., KORKMAZ H., Gurbuz H., Altınay S.  
2019 Medical Technologies Congress, TIPTEKNO 2019, İzmir, Turkey, 3 - 05 October 2019, (Full Text)
- VIII. **Kemik Doku Mühendisliği için HA Kaplamalı G0 / PCL 3D Baskı İskelesinin Üretimi ve Karakterizasyonu**  
Korkmaz H., Ekren N., Oktar F. N., Terzi Ü. K.  
International work-conference on Bioinformatics and biomedical engineering, Granada, Spain, 8 - 10 May 2019, pp.218-228, (Summary Text)
- IX. **Fuzzy Logic Based Risk Assessment System Giving Individualized Advice For Metabolic Syndrome and Fatal Cardiovascular Diseases**  
KORKMAZ H., ÇANAYAZ E., BİRTANE AKAR S., ALTIKARDEŞ Z. A.  
The 7th International Conference on Biomedical Engineering and Biotechnology (ICBEB 2018), Nanjing, China, 17 - 20 October 2018, (Full Text)
- X. **A Novel Method for Dipper/non-Dipper Pattern Prediction in Hypertension and non-Diabetic Patients**  
ALTIKARDEŞ Z. A., Kayıklı A., KORKMAZ H., ERDAL H., BABA A. F., FAK A. S.  
The 7th International Conference on Biomedical Engineering and Biotechnology, Nanjing, China, 22 - 25 October 2018, (Full Text)
- XI. **A Mobile Application for Voice and Remote Control of Programmable Instruments**  
ECE B., YAYLA A., KORKMAZ H.  
REV2018 15th International Conference on Remote Engineering and Virtual Instrumentation, Düsseldorf, Germany, 21 - 23 March 2018, (Full Text)
- XII. **Production of the GO-doped PLA-based nanofibers and investigation of their electrical properties**  
ÖZEN S., AYDOĞDU M. O., EĞE Z. R., CESUR S., TERZİ Ü. K., KORKMAZ H., EKREN N., OKTAR F. N., KILIÇ O., KILIÇ B., et al.  
4th International Conference on Biomedical Polymers Polymeric Biomaterials, 15 - 18 July 2018, (Full Text)
- XIII. **Lane line detection by using Hough Transform**  
YENGİNER H., KORKMAZ H.  
2018 26th Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018, (Full Text)
- XIV. **Synthetic Solutions For Training Tasks To Be Performed In The SHY-147 Recognized Schools In Aircraft Maintenance Field**  
URASLI C., AKAR E., BURAK H. A., KORKMAZ H.  
The International Symposium on Sustainable Aviation (ISSA-2018), ROMA, Italy, 9 - 11 July 2018, pp.27-30, (Full Text)
- XV. **Characteristic Driving Parameters of Brt Istanbul and Evaluation of Hybridization/ Electrification Potential**  
Kaymaz H., KORKMAZ H., ERDAL H.  
1. INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS BANU – ITSC' 18, 19 - 21 April

2018, (Full Text)

- XVI. **Poster: A Mobile Application for Voice and Remote Control of Programmable Instruments**  
Ece B., YAYLA A., KORKMAZ H.  
15th International Conference on Remote Engineering and Virtual Instrumentation (REV), Duesseldorf, Germany, 21 - 23 March 2018, vol.47, pp.479-486, (Full Text)
- XVII. **Virtual Instrumentation Based Lane Detection By Using Hough Transform**  
YENGİNER H., KORKMAZ H.  
. 9th International Symposium on Image Processing, Wavelet and Applications, Kars, Turkey, 5 - 08 November 2017, (Summary Text)
- XVIII. **A Dynamic Analysis of BLDC Motor by Using Matlab/Simulink and Mathematica**  
Tatar G., TOKER K., OYMAN SERTELLER N. F., KORKMAZ H.  
CHILEAN Conference on Electrical, Electronics Engineering, Information and Communication Technologies (CHILECON), Pucon, Chile, 18 - 20 October 2017, (Full Text)
- XIX. **Development of Decision Support System Using Mamdani Type Fuzzy Logic Clusters for Metabolic Syndrome Risk Assessment**  
Birtane S., ÇANAYAZ E., ALTIKARDEŞ Z. A., KORKMAZ H.  
Medical Technologies National Congress (TIPTEKNO), Trabzon, Turkey, 12 - 14 October 2017, (Full Text)
- XX. **Comparison of Photodetector Performances in Color Filtered Spectrometer**  
BÖCEKÇİ V. G., KORKMAZ H.  
7. International Advances in Applied Physics and Materials Science congress Exhibition, 22 - 26 April 2017, (Summary Text)
- XXI. **Experimental Investigations of Viscous Heating Effect of Thermocouples under Focused Ultrasound Applications**  
Karaboce B., Cetin E., Durmus H. O., Ozdingis M., KORKMAZ H., Altun J., Argun S.  
12th IEEE International Symposium on Medical Measurements and Applications (MeMeA), Minnesota, United States Of America, 7 - 10 May 2017, pp.88-93, (Full Text)
- XXII. **An Interactive Web-Based Circuit Design and Analysis Interface for Disabled Students by Using Speech Recognition Technology**  
Yayla A., Korkmaz H., Buldu A.  
8th IEEE Global Engineering Education Conference (EDUCON), Athens, Greece, 25 - 28 April 2017, pp.1676-1682, (Full Text)
- XXIII. **Circuit Analysis Application Interface By Using Speech Recognition Technology**  
YAYLA A., KORKMAZ H., BULDU A.  
WCEIS 2016, 27 - 29 October 2016, (Full Text)
- XXIV. **Konuşma Tanıma Teknolojisi Kullanarak Devre Analizi Uygulama Arayüzü**  
YAYLA A., KORKMAZ H., BULDU A.  
5th World Conference on Educational and Instructional Studies WCEIS - 2016, 27 - 29 October 2016, vol.5, pp.169-176, (Full Text)
- XXV. **RFID and XBee based Automated Verification of Put-away Operation for Warehouse Management Systems**  
Bektas B., KORKMAZ H.  
15th International Conference on Intelligent Systems Design and Applications (ISDA), Marrakush, Morocco, 14 December 2015, pp.635-641, (Full Text)
- XXVI. **A Study to Classify Non-Dipper/Dipper Blood Pressure Pattern of Type 2 Diabetes Mellitus Patients without Holter Device**  
ALTIKARDEŞ Z. A., ERDAL H., BABA A. F., Tezcan H., FAK A. S., KORKMAZ H.  
World Congress on Computer Applications and Information Systems (WCCAIS), Hammamet, Tunisia, 17 - 19 January 2014, (Full Text)
- XXVII. **A low cost medical image digitization setup for enhancement and analyzing of conventional X ray images**  
Alsan S., KORKMAZ H.



- 2013 IEEE International Conference on Signal and Image Processing Applications, Melaka, Malaysia, 8 - 10 October 2013, (Full Text)
- XXVIII. **Developing a graduate level embedded system programming course content by using blended programming methodologies Text based and graphical**  
ercan C., KORKMAZ H., TOKER K.  
2014 IEEE Global Engineering Education Conference (EDUCON), İstanbul, Turkey, 3 - 05 April 2014, pp.1010-1015, (Full Text)
- XXIX. **İnternet Üzerinden Hasta Takibi Amaçlı PIC Mikrodenetleyici Tabanlı Kablosuz Pals-Oksimetre Ölçme Sistemi Tasarımı ve LabVIEW Uygulaması**  
ERİŞ Ö., KORKMAZ H., BULDU A., TOKER K.  
VII. Tıbbilişim Konferansı, Cyprus (Kktc), 21 - 23 October 2010, (Full Text)
- XXX. **Temel Elektronik Deneylerinin Pc Tabanlı Veri Toplama Çözümleri Sunan Otomasyon Yazılımları İle Gerçekleştirilmesi**  
KORKMAZ H., YILDIZ K., YAYLA A., ERDAL S., AZAKLAR S.  
8th International Educational Technology Conference (IETC 2008), Eskişehir, Turkey, 6 - 09 May 2008, pp.492, (Full Text)
- XXXI. **Temel Elektronik Deneylerinin PC Tabanlı Veri Toplama Çözümleri**  
KORKMAZ H., YAYLA A., YILDIZ K., ERDAL .  
8th International Educational Technology Conference, 6 - 09 May 2008, (Full Text)
- XXXII. **Metal Deneklerin Isıl Uzama Miktarı Ölçümüne Yönelik Tasarlanan Sistemde Fırın İçi Sıcaklığın Çok Bölge ve Farklı Şartlara Uyumlu Bulanık Mantık Denetleyici İle Kontrolü**  
KORKMAZ H., CAN B., ERDAL H.  
3rd International Advanced Technologies Symposium, 18 - 20 August 2003, (Full Text)
- XXXIII. **Fuzzy logic based digital filtering for temperature measurement via K type thermocouple**  
CAN B., KORKMAZ H.  
2003 International Conference Physics and Control. Proceedings (Cat. No.03EX708), Lugano, Switzerland, 29 - 31 July 2003, (Full Text)
- XXXIV. **Real time thermal expansion measurement system and the data acquisition and control application software user interface**  
CAN B., KORKMAZ H.  
IEEE International Symposium on Virtual Environments, Human-Computer Interfaces and Measurement Systems, 2003. VECIMS '03. 2003, Lugano, Switzerland, 22 - 24 July 2003, (Full Text)
- XXXV. **Mikroişlemciler Dersi İnternet Destekli Laboratuvar Uygulaması**  
TOKER K., ALTIKARDEŞ Z. A., KORKMAZ H.  
Akademik Bilişim Konferansı, Konya, Turkey, 6 - 08 February 2002, (Full Text)
- XXXVI. **Teknik Bilimler MYO da WEB Tabanlı Eğitim Çalışması ve Değerlendirilmesi**  
ALTIKARDEŞ Z. A., KESEN U., ÇAMURCU A. Y., KORKMAZ H.  
I.Ulusal Meslek Yüksekokulları Sempozyum Kitabı , MÜ., İstanbul, Turkey, 18 - 19 October 2001, pp.10-18, (Full Text)

## Funded Projects

Korkmaz H., TUBITAK Project, Düzcam uygulamalarında kullanılan çok katmanlı İncefilmlerin elektro-opto-mekanik özelliklerinin Yapay Öğrenme ile modellenmesi ve optimizasyonu , 2019 - 2026

Bal S., Korkmaz H., Erdal H., Baba A. F., Sarıkaş A., Yayla A., Başpınar U., Altınay S., TUBITAK Project, INNOVATIVE METHODS FOR COMPUTER SCIENCES AND DIGITAL SYSTEMS EDUCATION, 2021 - 2022

Korkmaz H., Akar S. B., Project Supported by Higher Education Institutions, Evrimsel Algoritma Tabanlı Algılayıcı Düğümleri Dağıtma, 2018 - 2020

Ekren N., Gündüz O., Kılıç O., Korkmaz H., Başpınar U., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Biyomedikal Görüntüleme ve Tanı Laboratuvarı, 2016 - 2019



Korkmaz H., Tatar G., Project Supported by Higher Education Institutions, Hafif Elektrikli Araçlar için Akıllı FSDAM Sürücü ve Kontrolör Tasarımı, 2016 - 2018

Korkmaz H., Yenginer H., Project Supported by Higher Education Institutions, Yapay Görü Teknikleri ile Şerit Çizgisi Algılama ve Sınıflandırma, 2016 - 2017

Erdal H., Doğan B., Korkmaz H., Altıkardeş Z. A., Project Supported by Higher Education Institutions, Internet Based Control Of Gunt Process Training System, 2005 - 2007

## **Student Project**

Software Project, TÜBİTAK 2209-ÜNİVERSİTE ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ DESTEKLEME PROGRAMI, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, Turkey, 2024 - Continues

## **Activities in Scientific Journals**

International journal of advances in engineering and pure sciences (Online), Editor, 2020 - Continues

## **Roles in Event Organizations**

Korkmaz H., Innovations in Intelligent Systems and Applications Conference , Scientific Congress, Antalya, Turkey, Eylül 2022

Korkmaz H., Innovations in Intelligent Systems and Applications Conference, Scientific Congress, Elazığ, Turkey, Ekim 2021

## **Metrics**

Publication: 59

Citation (WoS): 49

Citation (Scopus): 106

H-Index (WoS): 4

H-Index (Scopus): 6

## **Awards**

Korkmaz H., Best paper, A n Interactive Web-Based Circuit Design and Analysis Interface for Disabled Students by Using Speech Recognition Technology, Ieee Educon 2017 Conference, April 2017

Korkmaz H., Best Paper, RFID and XBee based Automated Verification of Put-away Operation for Warehouse Management Systems, Ieee Isda 2015, Mirlabs, December 2015