

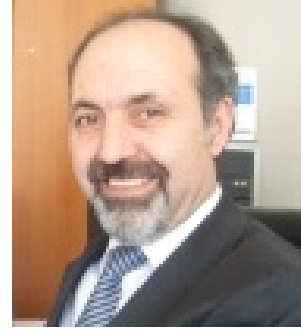
İSMAİL HAKKI ÇAVDAR

PROF.

Email : cavdar@ktu.edu.tr

Office Phone : [+90 462 377 2972](tel:+904623772972)

Fax Phone : [+90 462 325 7405](tel:+904623257405)



Education

Associate Degree 2016 - Continues	Ataturk University, Açıköğretim Fakültesi, Hukuk Bölümü, Adalet Ön Lisans, Turkey
Undergraduate 2014 - 2015	University Of Eurasia, Mühendislik Mimarlık Fakültesi, Elektrik-Elektronik Müh., Turkey
Post Doctorate 2011 - 2011	University of Akron, Electrical And Computer Engineering, Electrical Engineering, United States Of America
Associate Degree 2007 - 2009	Mersin University, Mersin Vocational School, Endüstriyel Otomasyon, Turkey
Doctorate 1988 - 1994	Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Müh., Turkey
Postgraduate 1985 - 1988	Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Müh., Turkey
Undergraduate 1981 - 1985	Gazi University, Teknik Eğitim Fakültesi, Elektronik, Turkey

Foreign Languages

German, B1 Intermediate

English, B2 Upper Intermediate

Dissertations

Doctorate, UYDU-GEZGİN İLETİŞİM YAYILIMININ MODELLENMESİ VE BENZETİMİ, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Müh., 1994
Postgraduate, UYDU YAYIN ALICISI, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Müh., 1988

Academic Titles / Tasks

Professor 2011 - Continues	Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik
Associate Professor 2006 - 2011	Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik
Assistant Professor 1995 - 2006	Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik

Supported Projects

- ÖZTÜRK M., ÇAVDAR İ. H., KAYA H., HASIRCI Z., TUBITAK Project, "Busbar Enerji Dağıtım Hatlarında Geniş Bant Haberleşme Sistemi Olanaklarının Araştırılması Ve Geliştirilmesi, 2015 - Continues
- ÇAVDAR İ. H., Industrial Thesis Project, Uzaktan Balık İzleme ve Besleme Sistemi, 2015 - Continues
- ÇAVDAR İ. H., KUZULUGİL K., HASIRCI TUĞCU Z., Project Supported by Higher Education Institutions, 5.9 GHz bandındaki araçlar arası haberleşme kanalının Türkiye'deki farklı trafik senaryolarında ölçülmesi ve yol kaybı modellenmesi, 2018 - 2020
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- Hasırcı Z., Çavdar İ. H., Kaya H., Öztürk M., Benveniste R., TUBITAK Project, Busbar Enerji Dağıtım Hatlarında Geniş Bant Haberleşme Sistemi Olanaklarının Araştırılması Ve Geliştirilmesi, 2015 - 2018
- ALTAŞ İ. H., KAYIKÇIOĞLU T., ÇAVDAR İ. H., ÖZKOP E., SEVİM Y., ÇAKIR O., HACIOĞLU G., YAZGAN A., KAYA H., NUROĞLU F. M., et al., Project Supported by Higher Education Institutions, ElektrikElektronik Mühendisliği Bölümü Lisans Laboratuvarları Altyapısının İyileştirilmesi, 2016 - 2017
- ÇAVDAR İ. H., Project Supported by Higher Education Institutions, Bilişsel radyo için optik yapılandırılmalı fraktal anten tasarımı ve uygulaması, 2014 - 2015
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- Hasırcı Z., Çavdar İ. H., Topbaş M., Project Supported by Other Official Institutions, Kocaeli Antalya ve Ergene Havzası ndaki İllerde Düşük Frekanslı Akımlardan Kaynaklanan ELF Elektromanyetik Alanların EMA Belirlenmesi, 2013 - 2015
- ÇAVDAR İ. H., Project Supported by Higher Education Institutions, Karadeniz'in Deniz İçi Akustik İletişim Kanalı İçin Modellenmesi ve Bu Modellemeye Yönelik Uygulamalar, 2013 - 2014

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22. **The Tradeoff Between Bit Error Rate and Optical Link Distance Using Laser Phase Noise Fixing Process in Coherent Optical OFDM Systems**

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WIRELESS PERSONAL COMMUNICATIONS, vol.68, no.3, pp.907-919, 2013 (SCI-Expanded)

23. **THE ELECTRONICS BEHIND LIGHTING - PART 5**

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27. **IR TRANSCEIVER SYSTEM DESIGN WITH ASK MODULATION**

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30. **A solution to remote detection of illegal electricity usage via power line communications**
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34. **Performance analysis in non-Rayleigh and non-Rician communications channels**
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2. **Experimental measurements on the effect of vehicle movement direction on received signal power in V2V communication**
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3. **Analysis of Busbar Distribution Systems as Data Transmission Line**
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Journal of Investigations on Engineering Technology, vol.1, no.1, pp.7-10, 2018 (Peer-Reviewed Journal)
4. **Landslide Monitoring For Wireless Sensor Network Using NSGA II Algorithm**
naser a., ÇAVDAR İ. H.
International Journal of Mechatronics, Electrical and Computer Technology (IJMEC), vol.6, no.22, 2016 (Peer-Reviewed Journal)
5. **Line of Sight LoS Probability Prediction for Satellite and HAPs Communication in Trabzon Turkey**
AYDIN V., ÇAVDAR İ. H., HASIRCI Z.
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Books

1. **Şehir Sağlığı Açısından Elektromanyetik Alanlar**
TOPBAŞ M., HASIRCI TUĞCU Z., ÇAVDAR İ. H.
in: Türkiye Klinikleri Halk Sağlığı Özel Konular: Şehir Sağlığı, Prof.Dr. Emöine Didem Evci Kiraz, Editor, Türkiye

Klinikleri, Ankara, pp.64-71, 2021

2. **Elektromanyetik Güvenliğin Sağlanması**

Topbaş M., Bahçebaşı T., Afacan E., Arıcı V. A., Çavdar İ. H., Demirbaş K., Hasırcı Z., Kurt M., Özal M., Özdemir A. R., et al.

in: Sağlıkın Korunması ve Geliştirilmesine Çok Paydaşlı Yaklaşım: Fiziksel Çevrenin Geliştirilmesi, Özkan

S.,Bahçebaşı T.,Görpelioglu S.,Topbaş M.,Çom S.,Irmak H.,İlter H.,Çamur D., Editor, Sağlık Bakanlığı Yayın No: 976, Ankara, pp.245-325, 2014

3. **Fiziksel Çevrenin Geliştirilmesi: Elektromanyetik Güvenliğin Sağlanması**

HASIRCI Z., ÇAVDAR İ. H., AFACAN E.

in: Sağlıkın Korunması ve Geliştirilmesine Çok Paydaşlı Yaklaşım, Sağlanması", Sağlıkın Korunması ve

Geliştirilmesine Çok Paydaşlı Yaklaşım: Fiziksel Çevrenin Geliştirilmesi, Özkan S., Bahçebaşı T., Görpelioglu S., Topbaş M., Çom S., Irmak H., İlter H., Çamur D. , Editor, Sağlık Bakanlığı Yayın, Ankara, pp.245-325, 2014

Papers Published in Refereed Scientific Meetings

1. **VEHICLE TO VEHICLE COMMUNICATION CHANNEL MEASUREMENTS ON A VERTICAL CURVE ROAD**

KUZULUGİL K., HASIRCI TUĞCU Z., ÇAVDAR İ. H.

9th International Conference on Advanced Technologies (ICAT'xx20), İstanbul, Turkey, 10 - 12 August 2020

2. **EXPERIMENTAL MEASUREMENTS ON THE EFFECT OF VEHICLE MOVEMENT DIRECTION ON RECEIVED SIGNAL POWER IN V2V COMMUNICATION**

KUZULUGİL K., HASIRCI TUĞCU Z., ÇAVDAR İ. H.

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3. **FPGA TABANLI DAR BANT ASK-PLC MODEM TASARIMI**

MAKUL N., HASIRCI Z., ÇAVDAR İ. H.

2. ULUSLARARASI 19 MAYIS YENİLİKÇİ BİLİMSELYAKLAŞIMLAR KONGRESİ, 27 - 29 December 2019, pp.923-929

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SAĞ R., HASIRCI Z., ÇAVDAR İ. H.

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5. **Combined Optimal Topology Formation and Rate Allocation for Aircraft to Aircraft Communications**

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6. **Electromagnetic Imaging of Discrete Wire Scatterers via MUSIC Algorithm: Preliminary Experimental Results**

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Academic and Administrative Experience

2008 - Continues	Head of Department	Karadeniz Technical University, Elektrik-Elektronik Müh:
1996 - 2005	Deputy Head of Department	Karadeniz Technical University, Elektrik-Elektronik Müh:

Courses

Postgraduate

Mühendislikte Olasılıksal Sistem Çözümlemesi, Postgraduate, 2015 - 2016

Undergraduate

Elektronik Lab 2, Undergraduate, 2015 - 2016

Bitirme Projesi, Undergraduate, 2015 - 2016

Analog ve Sayısal Elektronik, Undergraduate, 2015 - 2016

Tasarım Projesi, Undergraduate, 2015 - 2016

Gezgin İletişim, Undergraduate, 2015 - 2016

Activities in Scientific Journals

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES , Special Issue Editor, 2015 - Continues

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES , Editor, 2015 - Continues

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES , Committee Member, 2015 - Continues

Memberships / Tasks in Scientific Organizations

TMMOB ELEKTRİK MÜHENDİSLERİ ODASI TRABZON ŞUBESİ, Board Member, 2018 - Continues

TMMOB EMO ELEKTRİK MÜHENDİSLERİ ODASI, Member, 2015 - Continues

IEEE, Member, 2002 - Continues

Peer Reviews in Scientific Publications

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES , SCI Journal, November 2015

SPRINGER PLUS, SCI Journal, September 2015

IEEE POWER SYSTEMS, SCI Journal, June 2015

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES , SCI Journal, June 2015

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Metrics

Publication: 102

Citation (WoS): 204

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Congress and Symposium Activities

INTSIKT 2014, Invited Speaker, Tuzla, Bosnia And Herzegovina, 2014

INTSIKT 2013, Invited Speaker, Tuzla, Bosnia And Herzegovina, 2013

INTSIKT 2012, Invited Speaker, Tuzla, Bosnia And Herzegovina, 2012

Research Areas

Electrical and Electronics Engineering, Electronic, Electronic Circuits, Electromagnetic, Electromagnetic Waves, Antennas and Propagation, Power Electronics, Power Converters, Engineering and Technology

Non Academic Experience

