

Lect. YASİN KARAN

Personal Information

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Address: Recep Tayyip Erdoğan Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Müh. Bölümü, Fener Mah. Merkez-Riz

Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2011 - 2021

Postgraduate, University of Rochester, Electrical And Computer Engineering, Communications, United States Of America 2007 - 2009

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği, Turkey 2002 - 2006

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Information Systems, Communication and Control Engineering, Communication Engineering, Error Corrector Codes, Wireless Communication, Control and System Engineering, Controllers, Signal Processing, Signal Processing for Sensor Sequences, Signal Processing for Communication, Electrical and Electronics Engineering, Electromagnetic, Electromagnetic Environment and Interaction, Engineering and Technology

Academic Titles / Tasks

Lecturer, Recep Tayyip Erdogan University, Mühendislik Fakültesi, Elektrik Ve Elektronik Mühendisliği Bölümü, 2015 - Continues

Lecturer, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2010 - Continues

Courses

Bitirme Tezi-I, Undergraduate, 2018 - 2019, 2019 - 2020, 2020 - 2021

Analog Haberleşme, Undergraduate, 2019 - 2020, 2020 - 2021

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. QPSK-dual carrier modulation for ultra-wideband communication in body area network channels
Karan Y., KAHVECİ S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.27, no.4, pp.2526-2540, 2019

(Journal Indexed in SCI)

- II. **Investigation of GSM, LTE and Wi-Fi Electromagnetic Radiation in Dwellings**
Karan Y., As N., Sahin M. E.
ACTA PHYSICA POLONICA A, vol.132, no.3, pp.509-512, 2017 (Journal Indexed in SCI)
- III. **OFDM Performance of Ultra Wideband in Wireless Body Area Network Channel**
Karan Y., Sayli O., KAHVECİ S.
ACTA PHYSICA POLONICA A, vol.132, no.3, pp.574-576, 2017 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **5G Baz İstasyonlarının Kapsama Alanına Yönelik Yol Kaybı Analizleri ve Konumlandırılması**
Özaslan M. A. , Karan Y.
Kocaeli Üniversitesi Fen Bilimleri Dergisi, vol.4, no.1, pp.6-13, 2021 (National Refreed University Journal)
- II. **Electromagnetic radiation measurement of a high gain wireless network adapter**
KARAN Y., AS N.
Turkish Journal of Electromechanics and Energy, vol.1, no.2, pp.17-23, 2016 (Refereed Journals of Other Institutions)
- III. **Electromagnetic pollution measurement in the RTE university campus area**
Dilek B., AS N., ŞAHİN M. E. , KARAN Y.
Global Journal on Advances Pure and Applied Sciences, no.3, pp.65-72, 2014 (Refereed Journals of Other Institutions)
- IV. **Selective Radiation Measurement for Safety Evaluation on Base Stations**
ŞAHİN M. E. , KARAN Y., AS N.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.26, no.1, pp.73-83, 2013 (International Refreed University Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Colony Counting and Area Detection With Image Processing**
Kar M. A. , Karan Y.
1st International Conference on Electrical-Electronics and Computer Engineering, Trabzon, Turkey, 25 July 2021
- II. **Extraction of Theoretical Bit and Symbol Error Rates of Dual Carrier Modulation with QPSK**
Karan Y., KAHVECİ S.
27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, 24 - 26 April 2019
- III. **Rize İl Merkezinde Bulunan Temel Eğitim Müdürlüğüne Bağlı Okullarda Elektromanyetik Alan Seviyelerinin Belirlenmesi**
AS N., Erdem K., KARAN Y., DİZMAN S.
2nd International Symposium on Innovative Approaches in Scientific Studies, Samsun, Turkey, 30 November - 02 December 2018, pp.53
- IV. **Determination of Electromagnetic Field Levels in High School districts in Rize Province**
AS N., DİZMAN S., KARAN Y.
International Conference on Science and Technology, Prizren, Kosova, 5 - 09 September 2018, pp.53
- V. **Data Logger Design for Temperature and Humidity Measurement in Beehives**
KARAN Y., BOZKURT A., KAPUKAYA E.
1st International Technology Sciences and Design Symposium, 28 - 30 June 2018
- VI. **Designing of a Demonstration Experiment Showing Free Fall and Projectile Motion Together**
DİZMAN S., Aşık F. Z. , KARAN Y.
1st International Technology Sciences and Design Symposium, Giresun, Turkey, 28 - 30 June 2018, pp.53
- VII. **Dual Carrier Modulation Ultra-wideband Communication in Body Area Network Channel**
KARAN Y., KAHVECİ S.

- 1st International Symposium on Multidisciplinary Studies and Innovative Technologies, 2 - 04 November 2017
- VIII. **Experimental Setup for Analyzing Electromagnetic Radiation Effect on Bees and Bee Products**
KARAN Y., DİZMAN S., SAYI B. C. , AS N., ŞAHİN M. E.
International Symposium on Multidisciplinary Studies and Innovative Technologies, Tokat, Turkey, 2 - 04 November 2017, pp.71
- IX. **Bayburt Demirözü Beşpınar Beldesi Elektromanyetik Kirlilik Ölçümleri**
Sayı B. C. , AS N., KARAN Y., DİZMAN S., ŞAHİN M. E.
International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.1018
- X. **Investigation of GSM LTE and Wi Fi Electromagnetic Radiation in Dwellings**
Karan Y., Şahin M. E. , As N.
3rd International Conference on Computational and Experimental Science and Engineering (ICCESEN), Antalya, Turkey, 19 - 24 October 2016, pp.311
- XI. **OFDM Performance of Ultra Wideband in Wireless Body Area Network Channel**
Karan Y., Şaylı O., Kahveci S.
3rd International Conference on Computational and Experimental Science and Engineering (ICCESEN), Antalya, Turkey, 19 - 24 October 2016, pp.300
- XII. **Investigation of Thermal Variation on Skin Surface due to GSM and Wi-Fi Electromagnetic Radiation**
AS N., KARAN Y.
1. International Black Sea Congress on Environmental Science, Giresun, Turkey, 31 August - 03 September 2016, vol.1, no.1, pp.71
- XIII. **LMS and RLS Equalizer Performances of Ultra Wideband System in Body Area Network Channel**
Karan Y., KAHVECİ S.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.285-288
- XIV. **The Efficiency Evaluation Of Using Led Lamps Instead of Conventional Lamps In East Blacksea Region's Highway and Rize City**
Kanbur H., KARAN Y., AKÇAY N.
9th International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 27 August 2015, pp.225
- XV. **Wireless Measurement of Thermocouple with Microcontroller**
Karan Y., KAHVECİ S.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.120-123
- XVI. **Electromagnetic Pollution Measurement in the RTE University Campus Area**
Dilek B., AS N., ŞAHİN M. E. , KARAN Y.
2nd Global Conference on Environmental Studies, Roma, Italy, 10 - 12 April 2014, pp.53
- XVII. **Spectrum analyzer measurement technique for safety evaluation on wireless communication systems**
ŞAHİN M. E. , KARAN Y., AS N.
2011 30th URSI General Assembly and Scientific Symposium, URSIGASS 2011, İstanbul, Turkey, 13 - 20 August 2011

Supported Projects

ALTUNTAŞ M., NEVRUZOĞLU V., BERİŞ F. Ş. , TOMAKİN M., KARAN Y., Project Supported by Higher Education Institutions, Polimer Temelli Sütürlerin Soğuk Altılık Yöntemi ile Kaplanması ve Biyofiziksel Özelliklerinin İncelenmesi, 2018 - 2020
AS N., İNCE B. E. , ŞAHİN M. E. , KARAN Y., DİZMAN S., SAYI B. C. , KUVANCI A., ÖZTÜRK H., CİNBIRTOĞLU Ş., AYDIN E., Project Supported by Higher Education Institutions, İyonize Olmayan Elektromanyetik Radyasyonun Bal Arıları ve Bal Üretimi Üzerindeki Etkilerinin İncelenmesi, 2017 - 2019
AS N., DİZMAN S., KARAN Y., ŞAHİN M. E. , Dilek B., Project Supported by Higher Education Institutions, Çevrede Bulunan İyonize Olamayan Elektromanyetik Alan (0-300 GHz) Kirliliğinin ve Elektromanyetik Alanların Vücut Yüzeyinde

Oluřturduđu Isıl Deęişimlerin İncelenmesi, 2013 - 2016

Edit Congress and Symposium Activities

27. Sinyal İřleme ve Uygulamaları Kurultayı, Attendee, Sivas, Turkey, 2019

1st International Technology Sciences and Design Symposium, Attendee, Giresun, Turkey, 2018

1st International Symposium on Multidisciplinary Studies and Innovative Technologies, Attendee, Tokat, Turkey, 2017

3rd International Conference on Computational and Experimental Science and Engineering (ICCESEN), Attendee, Antalya, Turkey, 2016

IEEE 23. Sinyal İřleme ve İletişim Uygulamaları Kurultayı, Attendee, Malatya, Turkey, 2015

URSIGASS2011 IEEE Conference, Attendee, İstanbul, Turkey, 2011

Citations

Total Citations (WOS):3

h-index (WOS):1

Scholarships

Yurtdışı Erasmus Bursu, University, 2012 - Continues

Milli Eđitim Bakanlıđı Yurtdışı Yüksek Lisans Bursu, University, 2007 - Continues

Non Academic Experience

Other Public Institution, İstanbul İl Milli Eđitim Müdürlüđü

Business Establishment Private, Sunny Teknoloji