

Prof. Dr. ALİ KARA

Kişisel Bilgiler

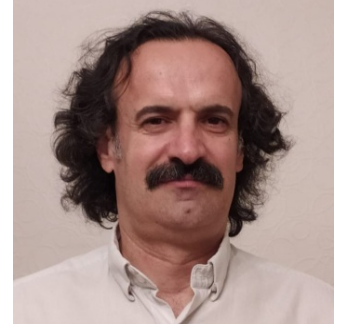
İş Telefonu: [+90 312 582 3347](tel:+903125823347)

Fax Telefonu: [+90 312 230 8434](tel:+903122308434)

E-posta: akara@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/akara>

Posta Adresi: Gazi Üniversitesi Mühendislik Fakültesi Elektrik-Elektronik Mühendisliği
Bölümü Eti Mh. Yükseliş Sk. No: 5 Kat: 3 06570 Maltepe/ANKARA



Uluslararası Araştırmacı ID'leri

ScholarID: [yVB187cAAAAJ](https://orcid.org/0000-0002-9739-7619)

ORCID: [0000-0002-9739-7619](https://orcid.org/0000-0002-9739-7619)

Publons / Web Of Science ResearcherID: [R-8038-2019](https://publons.com/author/104039)

Yoksis Araştırmacı ID: [104039](https://yoksis.gov.tr/yoksis/arastrmaci/104039)

Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Elektronik Mühendisliği

A.B.D., Türkiye 1996 - 2002

Bütünleşik Doktora, Polytechnic University, Brooklyn Campus, Tandon School of Engineering,

Electrical and Computer Engineering, Amerika Birleşik Devletleri 1999 - 2000

Yüksek Lisans, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik

Mühendisliği, Türkiye 1993 - 1996

Lisans, Erciyes Üniversitesi, Mühendislik Fakültesi, Türkiye 1988 - 1992

Biyografi

Ali Kara received his Ph.D. in Electrical and Electronics Engineering from Hacettepe University, Ankara, in 2002. He was a research assistant/scholar at Polytechnic University (New York University, Brooklyn, NY) from 1999 to 2000, in an industry-sponsored project (Symbol Technologies/Motorola).

In 2000, he joined the Department of Electrical and Electronics Engineering at Atılım University, where he held various positions from lecturer to full professor. He was the Director of the Graduate School of Natural and Applied Sciences at Atılım University until 2021.

He was also a consultant and chief researcher (part-time) at TUBITAK BILGEM from 2006 to 2012, where he contributed to some nationwide defense and security projects. He has been actively involved in many state and industry-funded projects since then.

Dr. Kara has published extensively in journals, mostly with his graduate students, and has presented his research findings at relevant conferences. He has also led many research projects in the areas of electromagnetics, wireless communications, radar and electronic warfare systems, and engineering education.

In one project, he led a team of researchers from universities across Europe to develop a Virtual and Remote Laboratory (VRL) platform (ERRL-European Remote Radio Laboratory). This platform was unique at the time and was fully funded by the European Commission. Dr. Kara has five patents to his name.

His research interests lie in a broad range of areas, including wireless communications, electromagnetics, radar and electronic warfare, data-driven techniques in engineering, and engineering education. In recent years, he has focused on the use of artificial intelligence (ML/DL) to solve problems in these areas.

See [Ali Kara's Google profile](#) for research publications.

See [Ali Kara's Youtube Channel](#) for some of the course recordings.

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Yerleşim birimleri ve bina içi kablosuz haberleşme sistemlerinde UHF bandında dalga yayılımının deneysel ve teorik olarak incelenmesi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, 2002

Yüksek Lisans, Düzlemsel dalgaların oluklu yapılardan saçılması, Çukurova Üniversitesi, 1996

Araştırma Alanları

Haberleşme Ağları, Kablosuz İletişim, Radar Kuramı, Radyonavigasyon ve Yön Bulma, Haberleşme Uygulamaları, Uydu Haberleşmesi, Haberleşme için Sinyal İşleme, Örüntü Tanıma ve Analizi, Sinyal İşleme Kuramı ve Metotları, Donanım Güvenliği, Haberleşme ve Ağ Protokolleri, Yapay Zeka, Bilgisayarda Öğrenme ve Örüntü Tanıma, Mikrodalga Devreleri, Dalga Yayılımı ve Uzaktan Algılama, Elektromanyetik Dalgalar, Antenler ve Propagasyon

Akademik Unvanlar / Görevler

Prof. Dr., Gazi Üniversitesi, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 2021 - Devam Ediyor

Prof. Dr., Atılım Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2015 - 2021

Doç. Dr., Atılım Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2010 - 2015

Yrd. Doç. Dr., Atılım Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2003 - 2010

Öğretim Görevlisi, Atılım Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2000 - 2002

Araştırma Görevlisi, Polytechnic University, Brooklyn Campus, Electrical and Computer Engineering, 1999 - 2000

Araştırma Görevlisi, Kütahya Dumlupınar Üniversitesi, Engineering Faculty, Electrical and Electronic Engineering, 1996 - 1998

Araştırma Görevlisi, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, 1993 - 1996

Akademik İdari Deneyim

Enstitü Müdürü, Atılım Üniversitesi, Fen Bilimleri Enstitüsü, 2017 - 2021

Bölüm Başkanı, Atılım Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2002 - 2009

Verdiği Dersler

Electronic Signal Intelligence (ELINT), Doktora, 2022 - 2023
Radar Signals and Systems, Yüksek Lisans, 2022 - 2023
Introduction to Radar Systems, Yüksek Lisans, 2022 - 2023
Engineering Design II, Lisans, 2021 - 2022
Project Management, Lisans, 2021 - 2022
Electronic Warfare Systems, Yüksek Lisans, 2022 - 2023
Engineering Design I, Lisans, 2021 - 2022
Digital Signal Processing, Lisans, 2021 - 2022
Radar Systems, Lisans, 2020 - 2021
Communication Systems, Lisans, 2019 - 2020
Wireless Communications, Lisans, 2018 - 2019
Applications of Communications and Signal Processing, Yüksek Lisans, 2016 - 2017
Electronic Warfare Systems, Yüksek Lisans, 2015 - 2016
Radar Signal Processing, Yüksek Lisans, 2013 - 2014
Electronic Warfare, Yüksek Lisans, 2011 - 2012

Yönetilen Tezler

Kara A., MODELLING AND DESIGN OF PRE-EQUALIZATION IN VISIBLE LIGHT COMMUNICATION, Yüksek Lisans, M.BOSTANOĞLU(Öğrenci), 2023
Kara A., Yazılım Tanımlı Radyo ile bir Frekans Modülasyonlu Sürekli Dalga Radar Uygulaması, Yüksek Lisans, C.ŞAHİN(Öğrenci), 2023
Kara A., Dalveren Y., A study on microstrip antenna design for 77 GHz radar systems, Yüksek Lisans, S.YILMAZ(Öğrenci), 2023
Kara A., Zencir E., Design and development of application-specific RF proximity sensor, Doktora, B.UD(Öğrenci), 2022
Kara A., Aydın E., Radar cross section measurement of various objects with 77-81 GHz automotive radar and assessment of radar cross section simulation tools, Yüksek Lisans, D.SEZGİN(Öğrenci), 2022
Kara A., Aydın E., Optimal exclusion zone estimation for co-existence of geostationary and non-geostationary satellite networks, Doktora, F.ÖZTÜRK(Öğrenci), 2022
Kara A., Wi-Fi sinyalleri kullanılarak kablosuz cihazların derin öğrenme yöntemleri ile kimliklendirilmesine yönelik bir çalışma, Yüksek Lisans, M.SEFA(Öğrenci), 2022
Kara A., Dalveren Y., Deep learning-based vehicle classification under low-quality imaging conditions, Yüksek Lisans, Ö.SARI(Öğrenci), 2022
Kara A., DESIGN AND DEMONSTRATION OF LOW COST MODULAR FMCW RADAR FOR EDUCATIONAL PURPOSES, Yüksek Lisans, I.OVAIS(Öğrenci), 2021
Kara A., A Study On Performance Analysis Of Space Time Block Coding In Multiple Input Multiple Output Wireless Communication Systems, Yüksek Lisans, K.DAW(Öğrenci), 2021
Dalveren Y., Kara A., Use of wavelet decomposition in radio frequency fingerprinting of bluetooth signals, Yüksek Lisans, H.AL(Öğrenci), 2021
Kara A., Modeling and Measurement of Received Signal Variability over Populated Links in Indoor Channels at mmWaves, Yüksek Lisans, M.MOSTAFA(Öğrenci), 2021
Kara A., DEVELOPMENT AND PERFORMANCE ASSESSMENT OF SIGNAL DETECTION METHODS FOR TRANSIENT SIGNAL STARTS, Doktora, I.SALEM(Öğrenci), 2021
Lotfi B., Kara A., Modelling and optimization of harness design and cost analysis using software tools, Yüksek Lisans, M.KEMAL(Öğrenci), 2021
Kara A., Development of piezoelectric powered ultraviolet portable water cleaning system, Yüksek Lisans, D.ERDEM(Öğrenci), 2020
Kara A., Analysis of scattering centers over irregular terrain in emitter localization, Yüksek Lisans, B.MAIGA(Öğrenci), 2020
Kara A., Aydın E., An Experimental Study on Near Ground Radio Propagation at 900 MHZ, Yüksek Lisans,

B.BİLGİÇ(Öğrenci), 2020

Kara A., Modeling and Measurement Of Multiple Human Body Shadowing at 28 GHz, Yüksek Lisans,

G.KARATAŞ(Öğrenci), 2020

Kara A., Performance analysis of higher order statistical features in classification of some modulation types, Yüksek Lisans, R.BÜŞRA(Öğrenci), 2020

Kara A., Performance analysis of hierarchical classification of modulation types, Yüksek Lisans, B.YALÇINKAYA(Öğrenci), 2020

Kara A., A practical time synchronization algorithm for linear wireless sensor networks including link-layer protocol implementation, Yüksek Lisans, M.ABDULLAH(Öğrenci), 2020

Kara A., Distributed Denial of Service (DDoS) Attack Mitigation in Network Functions Virtualization (NFV) based 5G Networks, Yüksek Lisans, S.KÖKSAL(Öğrenci), 2020

Kara A., Modeling and characterization of human body shadowing at millimeter waves, Doktora, A.H.A.(Öğrenci), 2020

Kara A., Variational mode decomposition based radio frequency fingerprinting of bluetooth devices, Doktora, A.AGHANAIYA(Öğrenci), 2019

Aydın E., Kara A., Design and implementation of high gain microstrip antennasfor sub-GHZ bands, Yüksek Lisans, G.BİLGİN(Öğrenci), 2019

Kara A., Aydın E., Design and fabrication of miniaturized microstrip antennas at 900 MHz for industrial remote controllers, Yüksek Lisans, V.SU(Öğrenci), 2019

Kara A., Assessment of features and classifiers for Bluetooth RF fingerprinting, Doktora, A.B.(Öğrenci), 2019

Özbek M. E., Kara A., Implementation of Matched Filter for Radar Receiver on FPGA, Yüksek Lisans, M.SALEM(Öğrenci), 2018

Kara A., An experimental study on time synchronization in linear spanning tree wireless sensor network, Yüksek Lisans, A.ERPAY(Öğrenci), 2018

Kara A., Design and implementation of modular front end for RF fingerprinting of bluetooth signals, Yüksek Lisans, E.UZUNDURUKAN(Öğrenci), 2018

Aydın E., Kara A., Design of small dual band slot antenna, Yüksek Lisans, M.BUBRAIG(Öğrenci), 2017

Kara A., Analysis and quantization of range error of modular FMCW radar at C band, Yüksek Lisans, M.Y.(Öğrenci), 2017

Kara A., Use of multipaths in passive localization of emitters, Doktora, Y.DALVEREN(Öğrenci), 2016

Kara A., Indoor radio propagation studies in industrial environments, Yüksek Lisans, Ş.TÜTÜNCÜ(Öğrenci), 2016

Kara A., Spectral analysis of parabolic range gate pull-off signals in digital radio frequency memory, Yüksek Lisans, M.TALHA(Öğrenci), 2015

Kara A., Optimization of satellite transponder utilization based on simulation results, Yüksek Lisans, O.ULUBEY(Öğrenci), 2015

At N., Kara A., New methods for radar emitter identification, Doktora, K.GENÇOL(Öğrenci), 2015

Kara A., Signal and system level simulations on wideband intercept receivers, Yüksek Lisans, İ.KARADEDE(Öğrenci), 2014

Kara A., Determination of scattering center of multipath signals using geometric optics and fresnel zone concepts, Yüksek Lisans, K.YAVUZ(Öğrenci), 2013

Kara A., Towards real time implementation of specific emitter identification on pulse waveforms: Optimizations on a low cost commercial platform, Yüksek Lisans, C.ERDEM(Öğrenci), 2012

Kara A., A study on identification of radar emitters, Yüksek Lisans, A.MUSTAFA(Öğrenci), 2011

Kara A., Localization of emitters over and around sea surfaces, Yüksek Lisans, Y.DALVEREN(Öğrenci), 2011

Kara A., Performance benchmarking of cellular network operators in Turkey, Yüksek Lisans, R.KADIOĞLU(Öğrenci), 2010

Kara A., Development of an improved algorithm for multiple diffractions in urban radio propagation, Yüksek Lisans, M.BARIŞ(Öğrenci), 2009

Kara A., Development of a wireless transmission module for Modbus applications, Yüksek Lisans, O.TÜRKKAN(Öğrenci), 2008

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **The Fast and Reliable Detection of Multiple Narrowband FH Signals: A Practical Framework**
Aydin M., Dalveren Y., KARA A., Derawi M.
Sensors, cilt.24, sa.15, 2024 (SCI-Expanded)
- II. **A Differential and High-Sensitivity Thickness Measurement Sensor for Dielectric Solid Materials Using a Branch Line Coupler**
Mohammadi P., Mohammadi A., KARA A.
IEEE Sensors Journal, cilt.24, sa.10, ss.16077-16084, 2024 (SCI-Expanded)
- III. **Hierarchical Classification of Analog and Digital Modulation Schemes Using Higher-Order Statistics and Support Vector Machines**
Yalcinkaya B., Coruk R. B., KARA A., Tora H.
Wireless Personal Communications, cilt.136, sa.2, ss.827-847, 2024 (SCI-Expanded)
- IV. **A Radio Frequency Fingerprinting-Based Aircraft Identification Method Using ADS-B Transmissions**
Gurer G., Dalveren Y., KARA A., Derawi M.
Aerospace, cilt.11, sa.3, 2024 (SCI-Expanded)
- V. **Towards mmWave Altimetry for UAS: Exploring the Potential of 77 GHz Automotive Radars**
Awan M. A., Dalveren Y., KARA A., Derawi M.
Drones, cilt.8, sa.3, 2024 (SCI-Expanded)
- VI. **Solid materials characterization using split ring resonators enclosed by power divider**
Mohammadi P., Mohammadi A., KARA A.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.66, sa.2, 2024 (SCI-Expanded)
- VII. **Blockage loss and shadow fading behavior of millimeter-wave signals due to human bodies at 28 GHz**
Benzaghta M., Gokdogan B. Y., Coruk R. B., KARA A.
Microwave and Optical Technology Letters, cilt.66, sa.1, 2024 (SCI-Expanded)
- VIII. **Deployment and Implementation Aspects of Radio Frequency Fingerprinting in Cybersecurity of Smart Grids**
Awan M. A., Dalveren Y., Catak F. O., Kara A.
ELECTRONICS, cilt.12, sa.24, 2023 (SCI-Expanded)
- IX. **Convolutional Neural Network-Based Vehicle Classification in Low-Quality Imaging Conditions for Internet of Things Devices**
Maiga B., Dalveren Y., KARA A., Derawi M.
SUSTAINABILITY, sa.23, 2023 (SCI-Expanded)
- X. **Dual Frequency Microwave Resonator for Non-invasive detection of Aqueous Glucose**
Mohammadi P., Mohammadi A., KARA A.
IEEE Sensors Journal, cilt.23, sa.18, ss.21246-21253, 2023 (SCI-Expanded)
- XI. **A Hybrid-Flipped Classroom Approach: Students' Perception and Performance Assessment Un enfoque de aula invertida híbrida: evaluación de la opinión y el rendimiento de los estudiantes**
Gokdogan B. Y., Coruk R. B., Benzaghta M., Kara A.
Ingenieria e Investigacion, cilt.43, sa.3, 2023 (SCI-Expanded)
- XII. **Modelling and Design of Pre-Equalizers for a Fully Operational Visible Light Communication System**
Bostanoglu M., Dalveren Y., Catak F. O., KARA A.
Sensors, cilt.23, sa.12, 2023 (SCI-Expanded)
- XIII. **Investigating the Impact of Two Major Programming Environments on the Accuracy of Deep Learning-Based Glioma Detection from MRI Images**
Yilmaz V. S., Akdag M., Dalveren Y., Doruk R. O., KARA A., Soylu A.
Diagnostics, cilt.13, sa.4, 2023 (SCI-Expanded)
- XIV. **Enhanced Half-Mode SIW Loaded With Interdigital Capacitor for Permittivity Measurements**
Mohammadi P., Mohammadi A., KARA A.
IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, cilt.72, 2023 (SCI-Expanded)

- XV. **Modeling and measurement of human body blockage loss at 28 GHz**
Benzaghta M., Gokdogan B. Y., Coruk R. B., Kara A.
Journal of Electromagnetic Waves and Applications, cilt.37, sa.4, ss.538-548, 2023 (SCI-Expanded)
- XVI. **On the accuracy of an emitter localization method based on multipath exploitation in realistic scenarios**
Al Imran M. A., Ank E., Dalveren Y., Tabakcioglu M. B., Kara A.
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, cilt.36, sa.15, ss.2178-2197, 2022 (SCI-Expanded)
- XVII. **On the Classification of Modulation Schemes Using Higher Order Statistics and Support Vector Machines**
Coruk R. B., Gokdogan B. Y., Benzaghta M., KARA A.
WIRELESS PERSONAL COMMUNICATIONS, cilt.126, sa.2, ss.1363-1381, 2022 (SCI-Expanded)
- XVIII. **Deep Learning-Based Vehicle Classification for Low Quality Images**
Tas S., Sari O., Dalveren Y., Pazar S., KARA A., Derawi M.
SENSORS, cilt.22, sa.13, 2022 (SCI-Expanded)
- XIX. **Reliability of linear WSNs: A complementary overview and analysis of impact of cascaded failures on network lifetime**
Carsancakli M. F., Imran M. A. A., YILDIZ H. U., KARA A., TAVLI B.
AD HOC NETWORKS, cilt.131, 2022 (SCI-Expanded)
- XX. **Exclusion zone minimization and optimal operational mode selection for co-existent geostationary and non-geostationary satellites**
Öztürk F., KARA A.
International Journal of Satellite Communications and Networking, cilt.40, sa.3, ss.191-203, 2022 (SCI-Expanded)
- XXI. **A study on the performance evaluation of wavelet decomposition in transient-based radio frequency fingerprinting of Bluetooth devices**
Almashaqbeh H., Dalveren Y., KARA A.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.64, sa.4, ss.643-649, 2022 (SCI-Expanded)
- XXII. **T-Junction Loaded With Interdigital Capacitor for Differential Measurement of Permittivity**
Mohammadi P., Mohammadi A., KARA A.
IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, cilt.71, 2022 (SCI-Expanded)
- XXIII. **On the Performance of Energy Criterion Method in Wi-Fi Transient Signal Detection**
Mohamed I., Dalveren Y., Catak F. O., KARA A.
ELECTRONICS, cilt.11, sa.2, 2022 (SCI-Expanded)
- XXIV. **A case study on the assessment of RF switch and splitter options for coupling of transceiver modules to bidirectional antennas employed in linear wireless sensor networks**
Dalveren Y., Durukan A. M., KARA A.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.63, ss.2826-2832, 2021 (SCI-Expanded)
- XXV. **Dual band, Miniaturized Permittivity Measurement Sensor with Negative-Order SIW Resonator**
Mohammadi P., Teimouri H., Mohammadi A., DEMİR Ş., KARA A.
IEEE Sensors Journal, cilt.21, ss.22695-22702, 2021 (SCI-Expanded)
- XXVI. **Compact Size, and Highly Sensitive, Microwave Sensor for Non-Invasive Measurement of Blood Glucose Level**
Mohammadi P., Mohammadia A., DEMİR Ş., KARA A.
IEEE SENSORS JOURNAL, cilt.21, sa.14, ss.16033-16042, 2021 (SCI-Expanded)
- XXVII. **Distributed denial-of-service attack mitigation in network functions virtualization-based 5G networks using management and orchestration**
Köksal S., Dalveren Y., Maiga B., Kara A.
International Journal of Communication Systems, cilt.34, 2021 (SCI-Expanded)
- XXVIII. **Design and optimization of piezoelectric-powered portable UV-led water disinfection system**
Şala D. E., Dalveren Y., Kara A., Derawi M.
Applied Sciences (Switzerland), cilt.11, sa.7, 2021 (SCI-Expanded)
- XXIX. **A Simple Propagation Model to Characterize the Effects of Multiple Human Bodies Blocking Indoor**

Short-Range Links at 28 GHz

Dalveren Y., Karatas G., Derawi M., Kara A.

ELECTRONICS, cilt.10, sa.3, 2021 (SCI-Expanded)

- XXX. **Opportunities and challenges in RCS measurement of 9-mm bullet model with 77 GHz mmwave COTS radar systems**
Ahmed B., Kara A., Zencir E., Benzaghta M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.62, sa.12, ss.3772-3778, 2020 (SCI-Expanded)
- XXXI. **On the design and effectiveness of Simulink-based educational material for a communication systems course**
Coruk R. B., Yalcinkaya B., Kara A.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, cilt.28, sa.6, ss.1641-1651, 2020 (SCI-Expanded)
- XXXII. **Performance Analysis of Modular RF Front End for RF Fingerprinting of Bluetooth Devices**
Uzundurukan E., Ali A. M., Dalveren Y., Kara A.
WIRELESS PERSONAL COMMUNICATIONS, cilt.112, sa.4, ss.2519-2531, 2020 (SCI-Expanded)
- XXXIII. **Optimal operation mode selection for energy-efficient light-weight multi-hop time synchronization in linear wireless sensor networks**
Al Imran M. A., Dalveren Y., Tavli B., Kara A.
EURASIP JOURNAL ON WIRELESS COMMUNICATIONS AND NETWORKING, cilt.2020, sa.1, 2020 (SCI-Expanded)
- XXXIV. **On the Performance of Variational Mode Decomposition-Based Radio Frequency Fingerprinting of Bluetooth Devices**
Aghnaiya A., Dalveren Y., Kara A.
SENSORS, cilt.20, sa.6, 2020 (SCI-Expanded)
- XXXV. **Variational Mode Decomposition-Based Threat Classification for Fiber Optic Distributed Acoustic Sensing**
Abufana S. A., Dalveren Y., Aghnaiya A., Kara A.
IEEE ACCESS, cilt.8, ss.100152-100158, 2020 (SCI-Expanded)
- XXXVI. **Performance Assessment of Transient Signal Detection Methods and Superiority of Energy Criterion (EC) Method**
Mohamed I. S., Dalveren Y., Kara A.
IEEE ACCESS, cilt.8, ss.115613-115620, 2020 (SCI-Expanded)
- XXXVII. **Miniaturised antenna at a sub-GHz band for industrial remote controllers**
Yilmaz V. S., Bilgin G., Aydin E., Kara A.
IET MICROWAVES ANTENNAS & PROPAGATION, cilt.13, sa.9, ss.1408-1413, 2019 (SCI-Expanded)
- XXXVIII. **A flipped classroom in communication systems: Student perception and performance assessments**
Oncel A. F., Kara A.
INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, cilt.56, sa.3, ss.208-221, 2019 (SCI-Expanded)
- XXXIX. **Multipath Exploitation in Emitter Localization for Irregular Terrains**
Dalveren Y., Kara A.
RADIOENGINEERING, cilt.28, sa.2, ss.473-482, 2019 (SCI-Expanded)
- XL. **Comparative assessment of electromagnetic simulation tools for use in microstrip antenna design: Experimental demonstrations**
Bilgin G., Yilmaz V. S., Kara A., Aydin E.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.61, sa.2, ss.349-356, 2019 (SCI-Expanded)
- XLI. **Assessment of Features and Classifiers for Bluetooth RF Fingerprinting**
Ali A. M., Uzundurukan E., Kara A.
IEEE ACCESS, cilt.7, ss.50524-50535, 2019 (SCI-Expanded)
- XLII. **Variational Mode Decomposition-Based Radio Frequency Fingerprinting of Bluetooth Devices**
Aghnaiya A., Ali A. M., Kara A.
IEEE ACCESS, cilt.7, ss.144054-144058, 2019 (SCI-Expanded)
- XLIII. **A Simplified Model for Characterizing the Effects of Scattering Objects and Human Body Blocking**

Indoor Links at 28 GHz

Dalveren Y., Alabish A. H., Kara A.

IEEE ACCESS, cilt.7, ss.69687-69691, 2019 (SCI-Expanded)

- XLIV. **Improvements on deinterleaving of radar pulses in dynamically varying signal environments**
Gencol K., Kara A., At N.
DIGITAL SIGNAL PROCESSING, cilt.69, ss.86-93, 2017 (SCI-Expanded)
- XLV. **A wavelet-based feature set for recognizing pulse repetition interval modulation patterns**
Gencol K., At N., Kara A.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.24, sa.4, ss.3078-3090, 2016 (SCI-Expanded)
- XLVI. **Quality of service assessment: a case study on performance benchmarking of cellular network operators in Turkey**
Kadioglu R., Dalveren Y., Kara A.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.23, sa.2, ss.548-559, 2015 (SCI-Expanded)
- XLVII. **Heterogeneity in Classes: Cooperative Problem-Solving Activities through Cooperative Learning**
Cigdemoglu C., Kapusuz K. Y., Kara A.
Croatian Journal of Education-Hrvatski Casopis za Odgoj i obrazovanje, cilt.16, sa.4, ss.999-1029, 2014 (SSCI)
- XLVIII. **An Enhanced Course in Digital Communications**
Kara A., Cagiltay N. E., Dalveren Y.
INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION, cilt.30, sa.4, ss.1048-1059, 2014 (SCI-Expanded)
- XLIX. **Seven Principles of Instructional Content Design for a Remote Laboratory: A Case Study on ERRL**
Cagiltay N. E., Aydin E., Aydin C. C., Kara A., Alexandru M.
IEEE TRANSACTIONS ON EDUCATION, cilt.54, sa.2, ss.320-327, 2011 (SCI-Expanded)
- L. **Improvements on Slope Diffraction for Multiple Wedges**
Tabakcioglu M. B., Kara A.
ELECTROMAGNETICS, cilt.30, sa.3, ss.285-296, 2010 (SCI-Expanded)
- LI. **Requirements for Remote RF Laboratory Applications: An Educators' Perspective**
Cagiltay N. E., Aydin E., Oktem R., Kara A., Alexandru M., Reiner B.
IEEE TRANSACTIONS ON EDUCATION, cilt.52, sa.1, ss.75-81, 2009 (SCI-Expanded)
- LII. **Comparison of Improved Slope Uniform Theory of Diffraction with Some Geometrical Optic and Physical Optic Methods for Multiple Building Diffractions**
Tabakcioglu M. B., Kara A.
ELECTROMAGNETICS, cilt.29, sa.4, ss.303-320, 2009 (SCI-Expanded)
- LIII. **Human body shadowing variability in short-range indoor radio links at 3-11 GHz band**
Kara A.
INTERNATIONAL JOURNAL OF ELECTRONICS, cilt.96, sa.2, ss.205-211, 2009 (SCI-Expanded)
- LIV. **Remote RF laboratory requirements: Engineers' and technicians' perspective**
Cagiltay N. E., Aydin E. U., Kara A.
Turkish Online Journal of Distance Education, cilt.8, sa.4, ss.80-95, 2007 (SCI-Expanded)
- LV. **Effect of people moving near short-range indoor propagation links at 2.45 GHz**
Kara A., Bertoni H. L.
JOURNAL OF COMMUNICATIONS AND NETWORKS, cilt.8, sa.3, ss.286-289, 2006 (SCI-Expanded)
- LVI. **Scattering of plane waves at the junction of two corrugated half-planes**
Serbest A., Kara A., Lueneburg E.
ELECTROMAGNETICS, cilt.25, sa.1, ss.21-38, 2005 (SCI-Expanded)
- LVII. **Limit and application range of the slope-diffraction method for wireless communications**
Kara A., Bertoni H. L., Yazgan E.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.51, sa.9, ss.2512-2514, 2003 (SCI-Expanded)
- LVIII. **Roof shape modelling for multiple diffraction loss in cellular mobile communication systems**
Kara A., Yazgan E.

INTERNATIONAL JOURNAL OF ELECTRONICS, cilt.89, sa.10, ss.753-758, 2002 (SCI-Expanded)

LIX. **Diffraction coefficient for a half-plane with anisotropic conductivity**

Buyukaksoy A., SERBEST A., Kara A.

IEE PROCEEDINGS-SCIENCE MEASUREMENT AND TECHNOLOGY, cilt.143, sa.6, ss.384-388, 1996 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **SDR Tabanlı Radar Sınıflandırma Sistemi Üzerine Mini Bir İnceleme: Son Gelişmeler ve Zorluklar**
Oncu S., Kara A.
Journal of Science, Technology and Engineering Research, cilt.4, sa.2, ss.124-129, 2023 (Hakemli Dergi)
- II. **A Miniaturized Multi-layer Microstrip Antenna for Linear Wireless Sensor Network Monitoring Systems**
Benzaghta M., Er B., Bilgin G., Aydın E., Kara A.
GAZI UNIVERSITY JOURNAL OF SCIENCE, cilt.35, sa.4, ss.875-884, 2022 (Scopus)
- III. **Deep Learning Based Threat Classification for Fiber Optic Distributed Acoustic Sensing Using SNR Dependent Data Generation**
UZUNDURUKAN E., KARA A.
Journal of Scientific, Technology and Engineering Research, 2020 (Hakemli Dergi)
- IV. **A Database for the Radio Frequency Fingerprinting of Bluetooth Devices**
Uzundurukan E., Dalveren Y., Kara A.
DATA, cilt.5, sa.2, 2020 (ESCI)
- V. **Design and Development of an Android Accessory**
Fatma Cemile S., Ahmet E., Kara A.
International Journal of Electronics and Electrical Engineering, sa.5, 2015 (Hakemli Dergi)
- VI. **Determination of scattering center of multipath signals using geometric optics and Fresnel zone concepts**
Kamil Yavuz K., Kara A.
Engineering Science and Technology, an International Journal, sa.17, 2014 (Scopus)
- VII. **On the Design of Elective Courses in RF and Communications According to the Needs of Industry**
DALVEREN Y., KARA A.
Procedia - Social and Behavioral Sciences, sa.46, 2012 (Scopus)
- VIII. **Remote Laboratory Development as an Action Research A Case Study**
ÇAĞILTAY N., KARA A., AYDIN E., TOKDEMİR G.
Scientific Essays, sa.7, 2012 (Hakemli Dergi)
- IX. **Maintenance Sustainability and Extensibility in Virtual and Remote Laboratories**
KARA A., ÇAĞILTAY N., AYDIN E., ÖZBEK M. E.
Procedia Social and Behavioral Sciences,, sa.28, 2011 (Scopus)
- X. **Modelling of shadowing loss due to huge non-polygonal structures in urban radio propagation**
Kara A., Yazgan E.
Progress In Electromagnetics Research B, cilt.6, ss.123-134, 2008 (Scopus)

Kitap & Kitap Bölümleri

- I. **Antenna Theory Analysis and Design Editör Çevirmen**
ÇAĞLAR M. F., AYDIN E., KARA A.
Nobel Yayınevi, 2013
- II. **Communications, RF and Microwaves Fundamentals: From Theory to Remote Experimentation**
Alexandru M., Kara A., Aydın E., Yapıcı A. Ç.
Transilvania University of Brasov Publishing House, Brasov, 2008

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Practical Implications of the Use of Radio Frequency Fingerprinting (RFF)in Cybersecurity of Smart Grid**
Kara A.
4th IFSA Winter Conference on Automation, Robotics & Communications for Industry 4.0/5.0, Innsbruck, Avusturya, 7 - 09 Şubat 2024
- II. **A Mini-Review on Radio Frequency Fingerprinting Localization in Outdoor Environments: Recent Advances and Challenges**
Dogan D., Dalveren Y., KARA A.
14th International Conference on Communications, COMM 2022, Bucharest, Romanya, 16 - 18 Haziran 2022
- III. **An Experimental Study on the Influence of Human Movement in Indoor Radio Channel at 28GHz**
Benzaghta M., Coruk R. B., Yalcinkaya B., KARA A.
2021 IEEE International Black Sea Conference on Communications and Networking, BlackSeaCom 2021, Virtual, Bucharest, Romanya, 24 - 28 Mayıs 2021
- IV. **Kapsama Alanı Benzetimlerine Yönelik Işın İzleme Algoritmalarının Hesaplama Performansları**
Arık E., Tabakcioğlu M. B., Kara A.
International Symposium of Scientific Research and Innovative Studies, Balıkesir, Türkiye, 22 Şubat 2021
- V. **Miniaturized 2.4 GHz Antenna Design for UAV communication link**
Yilmaz V. S., Kara A., Aydın E.
28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 Ekim 2020
- VI. **Linear Wireless Sensor Networks for Cathodic Protection Monitoring of Pipelines**
Kara A., Al Imran M. A., Karadag K.
2019 International Conference on Mechatronics, Robotics and Systems Engineering, MORSE 2019, Bali, Endonezya, 4 - 06 Aralık 2019, ss.233-236
- VII. **Analysis of measurement instrumentation delay in modular experimental radar at C band**
Abdulrazigh M. Y. A., Uzundurukan E., Kara A.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Türkiye, 2 - 05 Mayıs 2018, ss.1-4
- VIII. **An Experimental Study towards Examining Human Body Movements in Indoor Wave Propagation at 18 - 22 GHz**
DALVEREN Y., KARA A.
IEEE International Symposium on Networks, Computers and Communications (ISNCC'2018), 10 - 14 Haziran 2018
- IX. **On the Accuracy of TDOA-based Passive Localization of Emitters", 5th International Symposium on Engineering**
DALVEREN Y., KARA A.
Artificial Intelligence and Applications (ISEAIA 2017), 30 Ekim - 03 Kasım 2017
- X. **An Approach for Identifying the Likelihood of an Irregular Terrain Profile Being a Multipath Scattering Center in Emitter Localization**
DALVEREN Y., KARA A.
ACM 7th International Conference on Information Communication and Management (ICICM 2017), 6 - 11 Ağustos 2017
- XI. **Design Considerations For Sub-GHz Multilayer Microstrip Antenna For Near Ground Communication Links In Rural Areas**
Bilgin G., Yilmaz V. S., Aydın E., Kara A.
10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Türkiye, 30 Kasım - 02 Aralık 2017, ss.661-665
- XII. **Design of Low-Cost Modular RF Front End for RF Fingerprinting of Bluetooth Signals**
Uzundurukan E., Ali A. M., Kara A.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017
- XIII. **Design Considerations for Near to the Ground Communication System and Associated Sub-GHz Low**

Profile Antenna

Yilmaz V. S., Bilgin G., Aydin E., Kara A.

24th IEEE International Conference on Electronics, Circuits and Systems (ICECS), Batumi, Gürcistan, 5 - 08 Aralık 2017, ss.120-123

- XIV. **Improvements on Transient Signal Detection for RF Fingerprinting**
Ali A. M., Uzundurukan E., Kara A.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017
- XV. **Comparative Analysis of TDOA-based Localization Methods in the Presence of Sensor Position Errors**
Dalveren Y., Kara A.
4th International Conference on Control, Decision and Information Technologies (CoDIT), Barcelona, İspanya, 5 - 07 Nisan 2017, ss.556-560
- XVI. **A Low Cost Smartphone Controlled Wireless Data Logger System for Monitoring of Safety Critical Areas**
DALVEREN Y., KARA A.
3rd International Conference on Advanced Technology Sciences (ICAT'xx16), 1 - 04 Ekim 2016
- XVII. **UHF Propagation Measurements in Heavy Industry**
Tutuncu S., Kara A.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Türkiye, 16 - 19 Mayıs 2016, ss.541-544
- XVIII. **Spectrum Analysis of Parabolic Range Gate Pull-Off (RGPO) Signals**
Ozturk M. T., Dalveren Y., Kara A.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.1026-1029
- XIX. **Characterization of Satellite Transponder Impairments Based on Simulations with Test Data**
Ulubey O., Gulgonul S., Kara A.
7th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Türkiye, 16 - 19 Haziran 2015, ss.373-378
- XX. **New wavelet-based features for the recognition of jittered and stagger PRI modulation types**
Gencol K., Kara A., At N.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.2134-2137
- XXI. **An Industry Sponsored Undergraduate Research (UR) Experience: Preliminary Study on Fulfillment of Program Outcomes and Industry Requirements**
Kapusuz K. Y., Kara A.
IEEE Global Engineering Education Conference, İstanbul, Türkiye, 3 - 05 Nisan 2014, ss.306-311
- XXII. **A MODULAR FMCW RADAR RF FRONT END DESIGN:SIMULATION AND IMPLEMENTATION**
Dagdeviren B., Kapusuz K. Y., Kara A.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Türkiye, 23 - 25 Nisan 2014, ss.1762-1765
- XXIII. **Development of a low cost radio controller for Tele operation systems: Crane controller design as an industry sponsored undergraduate research**
Kaynaköz G., Dağdeviren B., Kapusuz K. Y., Kara A.
20th Annual International Conference on Mechatronics and Machine Vision in Practice, M2VIP 2013, Ankara, Türkiye, 20 Eylül 2013, ss.40-45
- XXIV. **Design of a Scenario-Based Synthetic Mixed Pulse Generator**
Gencol K., Kara A., At N.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 Nisan 2013
- XXV. **On the design of elective courses in rf and communications according to the needs of industry**
Dalveren Y., Kara A.
4th World Conference on Educational Sciences (WCES), Barcelona, İspanya, 2 - 05 Şubat 2012, cilt.46, ss.1547-

- XXVI. **Signal and System Level Simulations for Wideband Intercept Receivers: Eliminating Spur Signals**
Karadede I., Kara A.
9th International Conference on Electronics Computer and Computation (ICECCO 2012), Ankara, Türkiye, 1 - 03 Kasım 2012, ss.215-219
- XXVII. **Development of a digital communications course enriched by virtual and remote laboratory tools**
Kara A., Cagiltay N., Dalveren Y.
2011 International Conference on Information Technology Based Higher Education and Training, ITHET 2011, Kusadasi, Türkiye, 4 - 06 Ağustos 2011
- XXVIII. **Maintenance, sustainability and extendibility in virtual and remote laboratories**
Kara A., Ozbek M. E., Cagiltay N. E., Aydin E.
World Conference on Educational Technology Researches (WCETR), Nicosia, CYPRUS, 5 - 09 Temmuz 2011, cilt.28
- XXIX. **Principles for the design of a remote laboratory: A case study on ERRL**
Cagiltay N. E., Aydin E., Kara A.
2010 IEEE Education Engineering Conference, EDUCON 2010, Madrid, İspanya, 14 - 16 Nisan 2010, ss.879-884
- XXX. **Software technologies, architectures and interoperability in remote laboratories**
Özbek M. E., Kara A., Ataş M.
2010 9th International Conference on Information Technology Based Higher Education and Training, ITHET 2010, Cappadocia, Türkiye, 29 Nisan - 01 Mayıs 2010, ss.402-406
- XXXI. **Design and development of a remote and virtual environment for experimental training in electrical and electronics engineering**
Kara A., Aydin E., Ozbek M. E., Cagiltay N.
2010 9th International Conference on Information Technology Based Higher Education and Training, ITHET 2010, Cappadocia, Türkiye, 29 Nisan - 01 Mayıs 2010, ss.194-200
- XXXII. **A New Approach to Threat Tracking on ESM Systems by Using Kalman Filters**
Celebi M. B., Kara A., Akar B., Tumay A., Dincer K.
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.435-438
- XXXIII. **A Study for Development of Propagation Model Based on Ray Tracing for Coverage Prediction in Terrestrial Broadcasting Systems**
Tabakcioglu M. B., Ozmen A., Kara A.
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.431-432
- XXXIV. **Distance laboratory applications ERRL: A study on radio communication in electronic field**
Aydin C., Türkmen G., Özyurt E., Aydm E., Çağiltay N., Özbek M., Ceren Alparslan N., Kara A.
11th International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2008, Brasov, Romanya, 22 - 24 Mayıs 2008, ss.157-162
- XXXV. **On the improvements in multiple edge transition zone diffraction**
Tabakcioglu M., Kara A.
2nd European Conference on Antennas and Propagation, EuCAP 2007, Edinburgh, Birleşik Krallık, 11 - 16 Kasım 2007, cilt.2007
- XXXVI. **Pilot remote experiment in the ERRL: Measurement of scattering parameters**
Oezen M., Aydin E. U., Kara A.
18th IEEE International Symposium on Personal, Indoor and Mobile Radio Communication, Athens, Yunanistan, 3 - 07 Eylül 2007, ss.3827-3830
- XXXVII. **A remote laboratory for training in radio communications: ERRL**
Kara A., Aydin E. U., Oektem R., Cagiltay N.
18th IEEE International Symposium on Personal, Indoor and Mobile Radio Communication, Athens, Yunanistan, 3 - 07 Eylül 2007, ss.4275-4276
- XXXVIII. **Measurement of local environmental effects in UWB channels**
Vural M. D., Yildiz M., Kara A.

European Conference on Antennas and Propagation: EuCAP 2006, Nice, Fransa, 6 - 10 Kasım 2006

XXXIX. Blockage/shadowing and polarization measurements at 2.45GHz for interference evaluation between Bluetooth and IEEE 802.11 WLAN

Kara A., Bertoni H.

2001 IEEE Antennas and Propagation Society International Symposium -FDTD and Multi-Resolution Methods-, Boston, MA, Amerika Birleşik Devletleri, 8 - 13 Temmuz 2001, cilt.3, ss.376-379

Desteklenen Projeler

SAĞIROĞLU Ş., KARA A., DEMİRCİ M. S., DENER M., DEMİRCİ M., ATAY Y., Yükseköğretim Kurumları Destekli Proje, Akıllı Şebekeler için Zeki Siber Güvenlik Çözümleri Geliştirme, 2022 - Devam Ediyor

Kara A., AB Destekli Diğer Projeler, Physical layer security for trustworthy and resilient 6G systems (6G-PHYSEC) [COST], 2023 - 2027

Kara A., AB Destekli Diğer Projeler, Behavioral Next Generation in Wireless Networks for Cyber Security (BEiNG-WISE) [COST], 2023 - 2027

Kara A., Ergün Yardım F., Akşahin M. F., TÜBİTAK Uluslararası İkili İşbirliği Projesi, Compact Size and Highly Sensitive Non-Invasive Radio-Frequency (RF) Sensor for Blood Glucose Level (BGL) Monitoring, 2023 - 2024

Kaynar M. B., Kara A., TÜBİTAK Projesi, Radar Kesit Alanı Düşürücü Hafifletilmiş Örtülerin Geliştirilmesi, 2021 - 2023

Toruner S., Kara A., TÜBİTAK Projesi, Görev Yüklü Kısıtlı Olan İnsansız Hava Araçları (İHA) İle Otomotiv Radarları Kullanılarak Nesne Tespit ve Teşhisine Yönelik Algoritmik Geliştirmeler, 2021 - 2022

Kara A., Teknopark, Radar Soğurucu Malzemelerin 8-18 GHz Bandında Yansıtma ve Geçirgenlik Ölçümleri için Düşük Maliyetli Ölçüm Sistemi, 2021 - 2022

Dalveren Y., Kara A., TÜBİTAK Projesi, Yansımaları Kullanarak Emisyon Kaynaklarının Yer Tespiti, 2019 - 2021

Kara A., TÜBİTAK Projesi, Kritik Tesisleri Korozyona Karşı Korumaya Yönelik Kablosuz Algılayıcı Ağ Tabanlı Kontrol ve İzleme Sisteminin Geliştirilmesi, 2018 - 2020

Aydın E., Kara A., TÜBİTAK Projesi, GHz altı ISM bantlarında çalışan, ortama uyumlu, çift bantlı operasyon kabiliyeti olan minyatürize anten tasarımı ve üretimi, 2017 - 2018

Tütüncü Ş., Kara A., TÜBİTAK Projesi, Kullanıcı Tarafından Yapılandırılabilir Radyo Haberleşme, Kontrol Sistemi ve Bileşenlerinin Tasarımı, Geliştirilmesi, 2015 - 2016

Kara A., Diğer Özel Kurumlarca Desteklenen Proje, X ve Ka bantlarda Bant Geçiren Filtre BGF Tasarımı Geliştirilmesi ve Üretimi, 2014 - 2015

Kara A., Yükseköğretim Kurumları Destekli Proje, Heterojen Sınıflarda İşbirlikçi Problem Çözme Stratejileri, 2013 - 2015

Kara A., Diğer Resmi Kurumlarca Desteklenen Proje, Development of Effective Pulse De interleaving and Emitter Identification Techniques for ESM Systems, 2008 - 2009

Kara A., AB Destekli Diğer Projeler, Avrupa Uzaktan Erişilebilir Radyo Laboratuvarı, 2006 - 2008

Kara A., TÜBİTAK Projesi, Eğitim Kırınımı ve Dışbükey Zarf Tekniğine Dayalı Radyo Yayılım Modeli, 2006 - 2008

Bertoni H. L., Kara A., Diğer Ülkelerin Sanayi Kuruluşları Tarafından Desteklenmiş Proje, Interference Evaluation between WLAN and Bluetooth, 1999 - 2000

Patent

Kara A., ISM Bandında Çok bantlı Alıcı Verici Modül Tasarımı, Patent, BÖLÜM H Elektrik, Buluşun Tescil No: TR 2015 17525 B , Standart Tescil, 2023

Kara A., High Precision Noninvasive Blood Glucose Measurement Sensor and System with Microstrip Technology, Patent, BÖLÜM H Elektrik, Buluşun Başvuru Numarası: PCT/TR2022/050991 , Standart Tescil, 2022

Kara A., Yansımalar kullanılarak emisyon kaynaklarının konumlandırılmasında doğruluğun artırılması, Patent, BÖLÜM H Elektrik, Buluşun Tescil No: TR 2016 18856 A2 , Standart Tescil, 2021

Kara A., Yansımalar kullanılarak emisyon kaynaklarının konumlandırılması yöntemi, Patent, BÖLÜM H Elektrik, Buluşun Tescil No: TR 2014 15961 A2 , Standart Tescil, 2019

Kara A., Radar Emitörlerinin Pasif Konumlandırılmasında Çok Yollu Saçılmaların Yol Kayıpları Üzerinden Kullanımı ile Doğruluğun Arttırılması, Patent, BÖLÜM H Elektrik, Buluşun Başvuru Numarası: 2017/19517 , Standart Tescil, 2017

Bilimsel Kuruluşlardaki Üyelikler / Görevler

IEEE, Üye, 1993 - 2022, Amerika Birleşik Devletleri

Bilimsel Hakemlikler

IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, SCI Kapsamındaki Dergi, Aralık 2023
IEEE SENSORS JOURNAL, SCI Kapsamındaki Dergi, Aralık 2023
WIRELESS PERSONAL COMMUNICATIONS, SCI Kapsamındaki Dergi, Ekim 2023
ELECTRONICS LETTERS, SCI Kapsamındaki Dergi, Ağustos 2023
NATURE COMMUNICATIONS, SCI Kapsamındaki Dergi, Mayıs 2023
IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, SCI Kapsamındaki Dergi, Şubat 2023
IEEE SIGNAL PROCESSING LETTERS, SCI Kapsamındaki Dergi, Şubat 2023
CHINA COMMUNICATIONS, SCI Kapsamındaki Dergi, Ocak 2023
IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, SCI Kapsamındaki Dergi, Ekim 2022
IEEE SENSORS JOURNAL, SCI Kapsamındaki Dergi, Ekim 2022
SYMMETRY, SCI Kapsamındaki Dergi, Ağustos 2022
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, SCI Kapsamındaki Dergi, Temmuz 2022
IEEE ACCESS, SCI Kapsamındaki Dergi, Temmuz 2022
IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, SCI Kapsamındaki Dergi, Haziran 2022
IEEE COMMUNICATIONS LETTERS, SCI Kapsamındaki Dergi, Mart 2022
IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, SCI-E Kapsamındaki Dergi, Mayıs 2021
IEEE TRANSACTIONS ON SIGNAL PROCESSING, SCI-E Kapsamındaki Dergi, Nisan 2021
IEEE COMPUTATIONAL INTELLIGENCE MAGAZINE, SCI-E Kapsamındaki Dergi, Mart 2021
CHINA COMMUNICATIONS, SCI-E Kapsamındaki Dergi, Mart 2021
PHYSICAL COMMUNICATION, SCI-E Kapsamındaki Dergi, Şubat 2021

Metrikler

Yayın: 110

Atıf (WoS): 538

Atıf (Scopus): 866

H-İndeks (WoS): 17

H-İndeks (Scopus): 19

Kongre ve Sempozyum Katılımı Faaliyetleri

4th IFSA Winter Conference on Automation, Robotics & Communications for Industry 4.0 / 5.0 , Oturum Başkanı, Innsbruck, Avusturya, 2024

Davetli Konuşmalar

A Physical Layer Security Method in Wireless Networks: RF Fingerprinting (RFF), Konferans, Universitas Negeri Surabaya, Endonezya, Aralık 2020

Students' Perception towards Transition to New Teaching Approaches in Engineering Education: Quantitative and Qualitative Discussion, Konferans, 3rd International Conference on Electrical and Electronics Engineering, Türkiye, Nisan 2016

Akademi Dışı Deneyim

Üniversite, Alparslan Defence Sciences Institute, Radar and Electronic Warfare

Üniversite, Turkish Air Force Academy, Radar and Electronic Warfare (Graduate Program)