

## Prof. Dr. ALİ KARA

### Kişisel Bilgiler

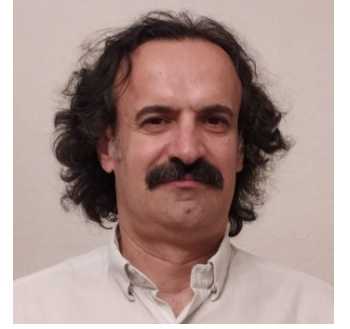
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### Uluslararası Araştırmacı ID'leri

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### 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.

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., Görünür ışık iletişimde ön dengelemenin modellenmesi ve tasarımı, 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 antennas for 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. Real-Time Radar Classification Based on Software-Defined Radio Platforms: Enhancing Processing Speed and Accuracy with Graphics Processing Unit Acceleration**

Oncu S., KARAKAYA M., Dalveren Y., KARA A., Derawi M.

Sensors, cilt.24, sa.23, 2024 (SCI-Expanded)

- II. **Comparative assessment and performance analysis of interference mitigation techniques for co-existent non-geostationary and geostationary satellites**  
Öztürk F., Aydın E., KARA A.  
International Journal of Communication Systems, cilt.37, sa.18, 2024 (SCI-Expanded)
- III. **Advancing mmWave Altimetry for Unmanned Aerial Systems: A Signal Processing Framework for Optimized Waveform Design**  
Awan M. A., Dalveren Y., KARA A., Derawi M.  
Drones, cilt.8, sa.9, 2024 (SCI-Expanded)
- IV. **Dynamic RCS Modeling and Aspect Angle Analysis for Highly Maneuverable UAVs**  
Sen K., Aksimsek S., KARA A.  
Aerospace, cilt.11, sa.9, 2024 (SCI-Expanded)
- V. **The Fast and Reliable Detection of Multiple Narrowband FH Signals: A Practical Framework**  
Aydın M., Dalveren Y., KARA A., Derawi M.  
Sensors, cilt.24, sa.15, 2024 (SCI-Expanded)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **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)
- XII. **A Simplified Method Based on RSSI Fingerprinting for IoT Device Localization in Smart Cities**  
Dogan D., Dalveren Y., KARA A., Derawi M.  
IEEE Access, cilt.12, ss.163752-163763, 2024 (SCI-Expanded)
- XIII. **Radar Emitter Localization Based on Multipath Exploitation Using Machine Learning**  
Catak F. O., Imran M. A. A., Dalveren Y., Yildiz B., KARA A.  
IEEE Access, cilt.12, ss.163367-163381, 2024 (SCI-Expanded)
- XIV. **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)
- XV. **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)

- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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., Soylyu A.  
Diagnostics, cilt.13, sa.4, 2023 (SCI-Expanded)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **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)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)
- XXXIX. **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)
- XL. **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)
- XLI. **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)
- XLII. **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)
- XLIII. **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)
- XLIV. **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)
- XLV. **Multipath Exploitation in Emitter Localization for Irregular Terrains**  
Dalveren Y., Kara A.  
RADIOENGINEERING, cilt.28, sa.2, ss.473-482, 2019 (SCI-Expanded)
- XLVI. **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)
- XLVII. **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)
- XLVIII. **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)
- XLIX. **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)
- L. **Improvements on deinterleaving of radar pulses in dynamically varying signal environments**  
Gencol K., Kara A., At N.  
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## **Metrikler**

Yayın: 118  
Atıf (WoS): 610  
Atıf (Scopus): 940  
H-İndeks (WoS): 17  
H-İndeks (Scopus): 19

## **Kongre ve Sempozyum Katılımı Faaliyetleri**

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## **Davetli Konuşmalar**

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

Üniversite, Alparslan Defence Sciences Institute, Radar and Electronic Warfare  
Üniversite, Turkish Air Force Academy, Radar and Electronic Warfare (Graduate Program)