

Prof.Dr. ALİ KARA

Kişisel Bilgiler

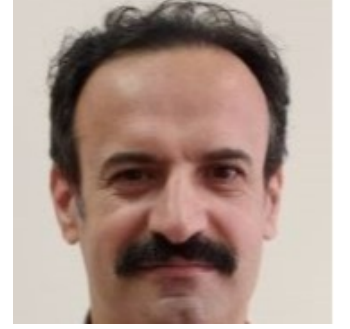
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Bölümü Eti Mh. Yükseliş Sk. No: 5 Kat: 3 06570 Maltepe/ANKARA



Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Elektronik Mühendisliği
A.B.D., Türkiye 1996 - 2002

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. degree in Electrical and Electronics Engineering from [Hacettepe University](#), Ankara, 2002. He was with [Polytechnic University](#) (New York University, Brooklyn, NY), between 1999 and 2000, as a research assistant/scholar in an industry sponsored project ([Symbol Technologies/Motorola](#)). He joined the [Department of Electrical and Electronics Engineering of Atılım University](#), in 2000 and worked until 2021, where he held various positions ranging from lecturer to full professor levels. Lastly, he was the [Director of Graduate School of Natural and Applied Sciences](#) at Atılım University. He was also consultant and chief researcher (part time) at [TUBITAK BILGEM](#), between 2006 and 2012, where he contributed to some nationwide defense and security projects. Since then, he has been actively involved with many state and industry-funded projects.

Ali Kara has published extensively in journals, mostly with his graduate students, and has presented research outcomes in relevant conferences. On the other hand, he has led many research projects in the areas of electromagnetics, wireless communications, radar & electronic warfare systems as well as engineering education. In one of the projects, he led a team of researchers, from various universities all over Europe, to develop a Virtual and Remote Laboratory (VRL) platform (ERRL-European Remote Radio Laboratory was unique platform at the time, and was fully funded by the European Commission). He has five patents.

His research interests lie in broad range of areas including wireless communications, electromagnetics, radar and electronic warfare, data-driven techniques in engineering, and engineering education. Recently, he has given special emphasis on the use of artificial intelligence (ML/DL) for solving problems in those areas.

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

[6G Platform \(Turkey\)](#)

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 , Haberleşme için Sinyal İşleme, Donanım Güvenliği, Yapay Zeka, Bilgisayarda Öğrenme ve Örüntü Tanıma, 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

EE Engineering Design I, Lisans, 2021 - 2022
Digital Signal Processing, Lisans, 2021 - 2022
Radar Systems, Lisans, 2020 - 2021
Probability and Random Processes, 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

Yönetilen Tezler

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., 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

Kara A., DEVELOPMENT AND PERFORMANCE ASSESSMENT OF SIGNAL DETECTION METHODS FOR TRANSIENT SIGNAL STARTS, Doktora, I.SALEM(Öğrenci), 2021

Kara A., Performance analysis of higher order statistical features in classification of some modulation types, Yüksek Lisans, R.BÜŞRA(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., Distributed Denial of Service (DDoS) Attack Mitigation in Network Functions Virtualization (NFV) based 5G Networks, Yüksek Lisans, S.KÖKSAL(Öğrenci), 2020

Kara A., Development of piezoelectric powered ultraviolet portable water cleaning system, Yüksek Lisans, D.ERDEM(Öğrenci), 2020

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

Kara A., Modeling and Measurement Of Multiple Human Body Shadowing at 28 GHz, Yüksek Lisans, G.KARATAŞ(Öğrenci), 2020

Kara A., Analysis of scattering centers over irregular terrain in emitter localization, Yüksek Lisans, B.MAİGA(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., Variational mode decomposition based radio frequency fingerprinting of bluetooth devices, Doktora, A.AGHANAIYA(Öğrenci), 2019

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

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

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

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

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

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

Kara A., Spectral analysis of parabolic range gate pull-off signals in digital radio frequency memory, Yüksek Lisans, M.TALHA(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., Localization of emitters over and around sea surfaces, Yüksek Lisans, Y.DALVEREN(Öğrenci), 2011

Kara A., A study on identification of radar emitters, Yüksek Lisans, A.MUSTAFA(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. **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 İndekslerine Giren Dergi)
- II. **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 İndekslerine Giren Dergi)
- III. **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 İndekslerine Giren Dergi)
- IV. **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 İndekslerine Giren Dergi)
- V. **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 İndekslerine Giren Dergi)
- VI. **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 İndekslerine Giren Dergi)
- VII. **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, 2021 (SCI İndekslerine Giren Dergi)
- VIII. **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 İndekslerine Giren Dergi)
- IX. **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 İndekslerine Giren Dergi)
- X. **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 İndekslerine Giren Dergi)

- XI. **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 İndekslerine Giren Dergi)
- XII. **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 İndekslerine Giren Dergi)
- XIII. **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 İndekslerine Giren Dergi)
- XIV. **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 İndekslerine Giren Dergi)
- XV. **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 İndekslerine Giren Dergi)
- XVI. **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 İndekslerine Giren Dergi)
- XVII. **Multipath Exploitation in Emitter Localization for Irregular Terrains**
Dalveren Y., Kara A.
RADIOENGINEERING, cilt.28, sa.2, ss.473-482, 2019 (SCI İndekslerine Giren Dergi)
- XVIII. **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 İndekslerine Giren Dergi)
- XIX. **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 İndekslerine Giren Dergi)
- XX. **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 İndekslerine Giren Dergi)
- XXI. **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 İndekslerine Giren Dergi)
- XXII. **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 İndekslerine Giren Dergi)
- XXIII. **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 İndekslerine Giren Dergi)
- XXIV. **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 İndekslerine Giren Dergi)

- XXV. **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 İndekslerine Giren Dergi)
- XXVI. **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 İndekslerine Giren Dergi)
- XXVII. **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 İndekslerine Giren Dergi)
- XXVIII. **Improvements on Slope Diffraction for Multiple Wedges**
Tabakcioglu M. B., Kara A.
ELECTROMAGNETICS, cilt.30, sa.3, ss.285-296, 2010 (SCI İndekslerine Giren Dergi)
- XXIX. **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 İndekslerine Giren Dergi)
- XXX. **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 İndekslerine Giren Dergi)
- XXXI. **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 İndekslerine Giren Dergi)
- XXXII. **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 İndekslerine Giren Dergi)
- XXXIII. **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 İndekslerine Giren Dergi)
- XXXIV. **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 İndekslerine Giren Dergi)
- XXXV. **Limit and application range of the slope-diffraction method for wireless communications**
Kara A., Bertoni H., Yazgan E.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.51, sa.9, ss.2512-2514, 2003 (SCI İndekslerine Giren Dergi)
- XXXVI. **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 İndekslerine Giren Dergi)
- XXXVII. **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 İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- I. **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 (Diğer Kurumların Hakemli Dergileri)
- II. **A Database for the Radio Frequency Fingerprinting of Bluetooth Devices**
Uzundurukan E., Dalveren Y., Kara A.
DATA, cilt.5, sa.2, 2020 (ESCI İndekslerine Giren Dergi)
- III. **Design and Development of an Android Accessory**
Fatma Cemile S., Ahmet E., Kara A.
International Journal of Electronics and Electrical Engineering, sa.5, 2015 (Diğer Kurumların Hakemli Dergileri)
- IV. **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 (Diğer Kurumların Hakemli Dergileri)
- V. **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 (Diğer Kurumların Hakemli Dergileri)
- VI. **Remote Laboratory Development as an Action Research A Case Study**
ÇAĞILTAY N., KARA A., AYDIN E., TOKDEMİR G.
Scientific Essays, sa.7, 2012 (Diğer Kurumların Hakemli Dergileri)
- VII. **Maintenance Sustainability and Extendibility in Virtual and Remote Laboratories**
KARA A., ÇAĞILTAY N., AYDIN E., ÖZBEK M. E.
Procedia Social and Behavioral Sciences,, sa.28, 2011 (Diğer Kurumların Hakemli Dergileri)
- VIII. **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 (Diğer Kurumların Hakemli Dergileri)

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. **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
- II. **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
- III. **Miniaturized 2.4 GHz Antenna Design for UAV communication link**
Yılmaz V. S. , Kara A., Aydın E.

28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 Ekim 2020

- IV. **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
- V. **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
- VI. **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
- VII. **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
- VIII. **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
- IX. **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
- X. **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
- XI. **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
- XII. **Comparative Analysis of TDOA-based Localization Methods in the Presence of Sensor Position Errors**
Dalveren Y., Kara A.
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Akademi Dışı Deneyim

Üniversite, Alparslan Defence Sciences Institute, Radar and Electronic Warfare

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TÜBİTAK, TUBİTAK BİLGEM, İLTAREN