Ali Kara, Ph.D.
Professor of Electrical and Electronics Engineering
Atılım University
06830 İncek, Gölbaşı, Ankara/TURKEY
ali.kara@atilim.edu.tr
Tel: +90 312 586 83 28

PERSONAL

Date of Birth	1972
Place of Birth	Amasya-Tasova, Turkey

EDUCATION

1996-2002	Hacettepe University, Electrical and Electronics Engineering, Ph.D. (TUBITAK-Integraded PhD program, Polytechnic University, NY, USA) Supervisor: Prof.Dr.Erdem Yazgan; Co-supervisor: Prof.Dr.Henry L. Bertoni
1993-1996	Cukurova University, Electrical and Electronics Engineering, M.S. Supervisor: Prof.Dr.A.Hamit Serbest
1988-1992	Erciyes University, Electronics Engineering, B.S.

ACADEMIC POSITIONS

12/2015-	Professor, Department of Electrical and Electronics Engineering Atilim University, Ankara, Turkey
11/2010-11/2015	Associate Professor, Department of Electrical and Electronics Engineering Atilim University, Ankara, Turkey
08/2006-07/2012	Chief Researcher(Part Time), Research Institute of Electronics and Cryptology (UEKAE/BİLGEM), TUBITAK, Ankara, Turkey
11/2002-10/2010	Assistant Professor, Department of Electrical and Electronics Engineering Atilim University, Ankara, Turkey
11/2000-10/2002	Instructor, Department of Electrical and Electronics Engineering Atilim University, Ankara, Turkey
01/1999-07/2000	Research Assistant, Department of Electrical and Computer Engineering Polytechnic University (NYU Tandon School of Eng.), NY, USA
11/1996-11/1998	Research Assistant, Department of Electrical and Electronics Engineering Dumlupinar University, Kutahya, Turkey
07/1993-10/1996	Research Assistant, Department of Electrical and Electronics Engineering Cukurova University, Adana, Turkey

ADMINISTRATIVE DUTIES

8/2017-	Director, Graduate School of Natural and Applied Sciences, Atilim University, Ankara, Turkey
12/2002-08/2009	Chair, Department of Electrical and Electronics Engineering Atilim University, Ankara, Turkey

RESEARCH INTERESTS

1	Wireless Communications, Radio Communications
2	Electromagnetic Waves, Radiowave Propagation and Antennas
3	Radar and Electronic Warfare Systems,

4	Electronic/Communication/Signal Intelligence (ELINT/COMINT/SIGINT)
5	Engineering Education, Virtual and Remote Laboratory

PROFESSIONAL SERVICE

1	Editor (2018-), Turkish Journal of Electrical Engineering & Computer Sciences, TUBITAK
2	Reviewer for IEEE, IET and many other journals, and conferences
3	External evaluator/assessor in EU, government, and industry sponsored research projects
4	Consultancy for state or industry sponsored defense and security projects

JOURNAL PUBLICATIONS (SCI/SSCI)

28	Ismail, M., Dalveren Y., A.Kara, "Performance Assessment of Transient Signal Detection Methods and Superiority of Energy Criterion (EC) Method", IEEE Access, 2020.
27	Ahmed B., A.Kara, E.Zencir, M.Benzaghta, "Opportunities and challenges in RCS measurement of 9mm bullet model with 77GHz mmwave COTS radar systems", Microwave and Optical Technology Letters, 2020.
26	S.Abufana, A.Aghnaiya, Y. Dalveren, A. Kara, "Variational Mode Decomposition-Based Threat Classification for Fiber Optic Distributed Acoustic Sensing", IEEE Access, 2020.
25	M.A.A. Imran, Y. Dalveren, B. Tavli, A. Kara, "Optimal Operation Mode Selection for Energy-Efficient Light-Weight Multi-Hop Time Synchronization in Linear Wireless Sensor Networks", EURASIP Journal on Wireless Communications and Networking, 2020.
24	A.Aghnaiya, Y. Dalveren, A. Kara, "On the Performance of Variational Mode Decomposition-Based Radio Frequency Fingerprinting of Bluetooth Devices", Sensors, 20(6),1704, 2020.
23	E. Uzundurukan, A.M. Ali, Y.Dalveren, A.Kara "Performance Analysis of Modular RF Front End for RF Fingerprinting of Bluetooth Devices", Wireless Personal Communications, 37, 2020.
22	A.Aghnaiya, A.M. Ali, A.Kara "Variational Mode Decomposition-Based Radio Frequency Fingerprinting of Bluetooth Devices", IEEE Access, 7, 2019.
21	V.S. Yilmaz, G. Bilgin, E. Aydin, A.Kara, "Miniaturised Antenna at Sub-GHz Band for Industrial Remote Controlllers", IET Microwaves, Antennas & Propagation, 13,9, 1408-1413, 2019.
20	A. F. Oncel and A.Kara, "A flipped classroom in communication systems: Student perception and performance assessments", International Journal of Electrical Engineering Education, 56, 3, 208-2011, 2019.
19	Y.Dalveren, A. Alabish, A.Kara, "A Simplified Model for Characterizing the Effects of Scattering Objects and Human Body Blocking Indoor Links at 28 GHz", IEEE Access, 7, 2019.
18	Y.Dalveren, A.Kara, "Multipath Exploitation in Emitter Localization for Irregular Terrains", Radioengineering, 28,2, 2019.
17	A.M.Ali, E.Uzundurukan, A.Kara, "Assessment of Features and Classifiers for Bluetooth RF Fingerprinting", IEEE Access, 7, 2019.
16	G.Bilgin, V.S.Yilmaz, A.Kara, E.Aydin, "Assessment of Electromagnetic Simulation Tools for Use in Microstrip Antenna Design: Experimental Demonstrations", Microwave and Optical Technology Letters, 61,2, 349-356, 2019.
15	K.Gencol, A.Kara, N.At, "Improvements on Deinterleaving of Radar Pulses in Dynamically Varying Signal Environments", Digital Signal Processing, 69, 86-93, 2017.
14	K. Gençol, N. At, A. Kara, "A Wavelet-Based Feature Set for Recognizing PRI Modulation Patterns", Turkish Journal of Electrical Engineering & Computer Sciences, 24, 3078-3090, 2016.
13	Kadıoğlu, R., Dalveren, Y., Kara, A., "Quality of service assessment: A Case Study on Performance Benchmarking of Cellular Network Operators in Turkey", Turkish Journal of Electrical Engineering & Computer Sciences , Ankara, 23, 548-559, 2015.
12	C.Cigdemoglu, K.Y.Kapusuz, A.Kara, "Heterogeneity in Classes: Cooperative Problem-Solving Activities through Cooperative Learning", Croatian Journal of Education, 4, 999-1029, 2014.

11	A.Kara, N.E.Cagiltay, Y.Dalveren, "An Enhanced Course in Digital Communications", International Journal of Engineering Education, 30, 1048-1059, 2014.
10	N.Cagiltay, E. Aydin, C. Aydin, A. Kara and M. Alexandru, "Seven Principles of Instructional Content Design for a Remote Laboratory: A Case Study on ERRL", IEEE Trans. on Education, 2, 320-327, 2011.
9	M.B. Tabakcioglu, A. Kara, "Improved Slope Diffraction Method for Multiple Wedges", Electromagnetics, 285-296,2010.
8	M.B. Tabakcioglu, A. Kara, "Comparison of Improved Slope UTD Method with UTD based Methods and Physical Optic Solution for Multiple Building Diffractions", Electromagnetics, 29, 303-320, 2009.
7	A. Kara, "Human Body Shadowing Variability in Short Range Indoor Radio Links at 3-11 GHz", Int. Journal of Electronics, 96, 205-211, 2009.
6	N. Cagiltay, E. Aydin. R. Oktem, A. Kara, M. Alexandru, B. Reiner, "Requirements on Remote RF Laboratory Applications: An Educators' Perspective", IEEE Trans. On Education, 52, 75-81,2009.
5	A. Kara, Bertoni, H.L., "Effect of People Moving Near Short- Range Indoor Propagation Links at 2.45 GHz", Journal of Communications and Networks, 8, 286-289, 2006.
4	A. Kara, Serbest, A.H., Luneburg, E., "Scattering of Plane Waves at the Junction of Two Corrugated Half-Planes, Electromagnetics", 25, 21-38, 2005.
3	A. Kara, Bertoni, H.L., Yazgan, E., "Limit and Application Range of Slope Diffraction for Wireless Communications systems", IEEE Trans. on Antennas and Prop., 51, 2512-2514, 2003.
2	A. Kara, Yazgan, E., "Roof Shape Modelling for Multiple Diffraction Loss in Cellular Mobile Communication Systems", Int. Journal of Electronics, 89, 753-758, 2002.
1	A. Kara, A. Buyukaksoy, Serbest, A.H., "Diffraction coefficient for a half-plane with anisotropic conductivity", IEE Proc. Science Measurement and Tech., 143, 384-388, 1996.

JOURNAL PUBLICATIONS (Other index)

13	Uzundurkan, E., Y. Dalveren, A. Kara, "A Database for Radio Frequency Fingerprinting of Bluetooth Devices", DATA, 2020.
12	Y. Dalveren, A. Kara, "Mükemmel İletken Silindir Modeli ile 28 GHz'de İç Mekân Linklerini Bloke Eden İnsanların Etkilerinin İrdelenmesi", Düzce Üniversitesi Bilim ve Teknoloji Dergisi, 8, 1118-1127, 2020.
11	Y. Dalveren, A. Kara, "On the Accuracy of TDOA-based Passive Localization of Emitters", International Journal of Scientific Research in Information Systems and Engineering (IJSRISE), 4,1, 77-80, 2018.
10	M. Y. Abdulrazigh, E. Uzundurukan, A. Kara, "Design of Modular FMCW Radar and Quantization of Its Range Error", Sakarya University Journal of Computer and Information Sciences, 1(2), 1-11, 2018.
9	Y. Dalveren, A.Kara, "A Discussion on using Non-Gaussian Noise to Model Sensor Position Error in Source Localization", International Journal of Scientific Research in Information Systems and Engineering, 1, 51-55, 2017.
8	A. F. Oncel, A.Kara, "Students' Perception of and Attitude towards transition to Flipped Classroom: A Communication Systems Course in Engineering Education", FEIIC International Journal of Engineering and Technology, 13, 1-6, 2016.
7	F.C. Serce, A.Erpay, A.Kara, B.Unal, D.Ozgubar, A.Ozturk,S.Sekerci, "Design and Development of an Android Accessory", International Journal of Electronics and Electrical Engineering, 5, 390-395, 2015.
6	K.Y.Kapusuz, A.Kara, "Determination of scattering center of multipath signals using geometric optics and Fresnel zone concepts", Engineering Science and Technology, an International Journal, 17, 50-57, 2014.
5	N.E. Cagiltay, G. Tokdemir, E. Aydin, A. Kara, "Remote Laboratory Development as an Action Research:A Case Study", Scientific Research and Essays, 7, 2337-2342, 2012.
4	Y. Dalveren, A. Kara, "On the Design of Elective Courses in RF and Communications According to the Needs of Industry", Procedia - Social and Behavioral Sciences , 46, 1547 – 1551, 2012.

3	A. Kara, Ozbek, M.E., Cagiltay, N., Aydin, "Maintenance, Sustainability and Extendibility in Virtual and Remote Laboratories", Procedia Social and Behavioral Sciences, 28, 722-728,2011.
2	A. Kara, Yazgan, E., "Modelling of Shadowing Loss for Huge Non-Polygonal Structures in Urban Radio Propagation", Progress in Electromagnetic Research-B, 6, 123-134, 2008
1	N. Cagiltay, E. Aydin, A. Kara, "Remote RF Laboratory Requirements: Engineers' and Technicians' Perspective", Turkish Online Journal of Distance Education (TOJDE), 8, 80-95, 2007.

PROJECTS (small budget or short term projects excluded)

9	Localization of Emitters by Exploiting Multipaths (Principal Investigator/TUBITAK-1001)
8	Development of Wireless Sensor Network (WSN) Based Control and Monitoring System for Cathodic Protection Systems of Critical Infrastructures (Principal Investigator/TUBITAK-1505)
7	Design and Fabrication of Miniaturized, Conformal and Dual Band Microstrip Antennas in Sub-GHz ISM Bands (Researcher/TUBITAK-1005)
6	A Low Cost Smartphone Controlled Wireless Data Logger System for Monitoring of Safety Critical Areas (Principal Investigator/Industry Sponsored)
5	Educational Methods in Heteregeneous Classes: Effectiveness of Collaborative Problem Solving (Principal Investigator/Atilim University Sponsored)
4	Design and Development of User Reconfigurable Radiocommunication and Control Systems (Consultant/TUBITAK-1507)
3	European Remote Radio Laboratory/ERRL(Principal Investigator/ Coordinator/ Proposer, European Commission Sponsored, Multational/Mulipinpartner Project)
2	Development of Radio Propagation Model based on Slope Diffraction and Convex Hull Methods (Principal Investigator/TUBITAK-3501)
1	Evaluation of interference between Blueooth and 802.11 WiFi Systems, (Researcher, Symbol Technology/Motorola Sponsored, USA)

PATENTS

4	A.Kara, M.B.Tabakcioglu, "Radar Emitörlerinin Pasif Konumlandırılmasında Çok Yollu Saçılmaların Yol Kayıpları Üzerinden Kullanımı ile Doğruluğun Arttırılması", 2017/19517.
3	A.Kara, Y.Dalveren, "Yansımaları kullanarak, emisyon kaynaklarının konumlandırılmasında doğruluğun arttırılması", 2016/18856.
2	A. Kara, S. Tutuncu, "ISM Bandında Çok bantlı Alıcı Verici Modül Tasarımı", 2015/17525.
1	A.Kara, "Yansımalar kullanılarak emisyon kaynaklarını konumlandırılması yöntemi", 2014/15961.

CONFERENCE PRESENTATIONS/PUBLICATIONS

55	A.Kara, M.A.A. Imran, K. Karadag, "Linear Wireless Sensor Networks for Cathodic Protection Monitoring of Pipelines", International Conference on Mechatronics, Robotics and Systems Engineering (MoRSE'2019), IEEE, Bali, Indonesia, 2019.
54	A. Alabish, Y. Dalveren, A. Kara, "An Experimental Study towards Examining Human Body Movements in Indoor Wave Propagation at 18-22 GHz", IEEE International Symposium on Networks, Computers and Communications (ISNCC'2018), Rome, Italy, 2018.
53	M. Y. Abdulrazigh, E. Uzundurukan, A. Kara, "Analysis of measurement instrumentation delay in modular experimental radar at C band", 26th Signal Processing and Communications Applications Conference (SIU), IEEE, İzmir, Turkey, 2018.
52	Y. Dalveren, A. Kara, ""Comparative Analysis of TDOA-based Localization Methods in the Presence of Sensor Position Error", 4th International Conference on Control, Decision and Information Technologies (CoDIT'17), Barcelona, Spain, 2017.
51	Yilmaz VS, Bilgin G, Aydin E, A. Kara. "Design Considerations for Near to the Ground Communication System and Associated Sub-GHz Low Profile Antenna", International Conference on Electronics and circuit systems(ICECS), Batumi, Georgia, 2017.
50	Bilgin G, Yilmaz VS, Aydin E, A. Kara. "Design Considerations For Sub-GHz Multilayer Microstrip Antenna For Near Ground Communication Links In Rural Areas". International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 2017.
49	Y. Dalveren, A. Kara, "An Approach for Identifying the Likelihood of an Irregular Terrain Profile Being a Multipath Scattering Center in Emitter Localization", ACM 7th International Conference on Information Communication and Management (ICICM'17), Moscow, Russia, 2017.
48	E. Uzundurukan, Aysha M.Ali, A. Kara, "Design of Low-Cost Modular RF Front End for RF Fingerprinting of Bluetooth Signals", 25th Signal Processing and Communication Application Conference (SIU), Antalya, Turkey, 2017.
47	Aysha M.Ali, E. Uzundurukan, A.Kara, "Improvements on Transient Signal Detection for RF Fingerprinting", 25th Signal Processing and Communication Application Conference (SIU), Antalya, Turkey, 2017.
46	Y. Dalveren, A. Kara, "A Discussion on Using Non-Gaussian Noise to Model Sensor Position Error in Source Localization", The Fourth International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA 2016), Gazi Magusa, Northern Cyprus, 2016.
45	S. Tutuncu, A. Kara, "Endüstriyel Ortamlarda UHF Bandında Geçici Sönümleme Ölçümleri", URSI-TR Kongresi, Ankara, Turkey, 2016.
44	G.M. Keskin, O. Karapur, Y. Dalveren, A. Kara, "A Low Cost Smartphone Controlled Wireless Data Logger System for Monitoring of Safety Critical Areas",3rd International Conference on Advanced Technology & Sciences (ICAT'16), Konya, Turkey, 2016.
43	S. Tutuncu, A. Kara,"UHF Propagation Measurements in Heavy Industry", 24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 2016,
42	K.Gencol, A.Kara, N.At, "New wavelet-based features for the recognition of jittered and stagger PRI modulation types", IEEE 23th Signal Processing and Communications Applications Conference, Malatya, Turkey, 2015.
41	M.T. Ozturk, Y.Dalveren, A.Kara, "Spectrum Analysis of Parabolic Range Gate PullOff (RGPO) Signals", IEEE 23th Signal Processing and Communications Applications Conference, Malatya, Turkey, 2015.
40	O. Ulubey, A.Kara, S. Gulgonul, "Characterization of Satellite Transponder Impairments Based on Simulations with Test Data", 7th International Conference on Recent Advances in Space Technologies (RAST 2015), Istanbul, Turkey, 2015.
39	B.Dagdeviren, K.Y. Kapusuz, A.Kara, "A Modular FMCW Radar RF Front Design: Simulation and Implementation/Modüler FMCW Radar Ön-Uç Tasarımı: Benzetim ve Gerçekleştirme", IEEE 22th Signal Processing and Communications Applications Conference, Trabzon,2014.
38	K.Y.Kapusuz, A.Kara, "An Industry Sponsored Undergraduate Research (UR) Experience: Preliminary Study on Fulfillment of Program Outcomes and Industry Requirements", 2014 IEEE Global Engineering Education Conference (EDUCON), İstanbul, 306-311, 2014.
37	K.Gencol, A. Kara, N.At, "Design of a Scenario-Based Synthetic Mixed Pulse Generator/Senaryo Tabanlı Bir Sentetik Darbe Üreteci Tasarımı", IEEE 21th Signal Processing and Communications Applications Conference, Girne, 2013.

36	G.Kaynakoz, B. Dagdeviren, K.Y. Kapusuz, A. Kara, "Development of a Low Cost radio Controller for Tele Operation Systems: Crane Controller design as an Industry Sponsored Undergraduate Research", The 20th Int. Conf. on Mechatronics and Machine Vision in Practice- M2ViP, Ankara, September, 2013.
35	Kilincarslan, M.A, A. Kara, "Identification of Highly Jittered Radar Emitters:Issues on Low Cost Embedded Design", International Conference on Computing and Information Technology (ICCIT-2012), Medina, 2, 739-744, 2012.
34	K.Y. Kapusuz, Y. Dalveren, A. Kara, "Deniz Yüzeyi ve Çevresindeki Saçıcıların Bistatik Saçılma KatsayısınınKutuplanma ve Saçılma Açısına Bağımlılığının İncelenmesi", URSI Ulusal Kongresi, İstanbul, 1, 1-4, 2012.
33	S. Danaci, E. Gurtekin, E. Ozyurt, A. Kara, "Ka Band Dairesel Huni Anten Tasarımı ve Üretimi/ Desing and Fabrication of Ka Band Circular Horn Antenna", IEEE 20th Signal Processing and Communications Applications Conference (SIU 2012), Mugla, 1, 1-4, 2012.
32	C.Erdem, A. Kara, "Video Sinyalleri Kullanılarak Spesifik Yayıcı Kimliklendirilmesi/Specific Emitter Identification Using Video Signals", IEEE 20th Signal Processing and Communications Applications Conference (SIU 2012), Muğla, 1, 1-4, 2012.
31	İ. Karadede, A. Kara, "Signal and System Level Simulations for WidebandIntercept Receivers: Eliminating Spur Signals", 9th International Conference on Electronics, Computer and Computation (ICECCO), Ankara, 1, 215-219, 2012.
30	E. Ozyurt, N.K. Kılıc, A. Kara, "User Interface Design of Oscilloscopes for Use In Virtual and Remote Laboratories", 2nd International Engineering Education Conference, Antalya, 1, 1-4, 2012.
29	K.Y. Kapusuz, A. Kara, "Cooperative Problem Solving As a Learning Approach in Heterogenous Classes: A Preliminary Study", 2nd International Engineering Education Conference, Antalya, 1, 1-4, 2012.
28	Y. Dalveren, A. Kara, "On the Requirements of Industry On RF and Communication Graduates: Comparison Of Local/National and International Market", 2nd International Engineering Education Conference, Antalya, 1, 1-4, 2012.
27	Y. Dalveren, A. Kara, "Classification of Objects Over and Around SeaSurface for Passive Geolocation", 12th Mediterrannean Microwave Symposium(MMS 2012), İstanbul, 1, 1-4, 2012.
26	A. Kara, Cagiltay, N., Dalveren, Y., "Development of A Digital Communications Course Enriched by Virtual and Remote Laboratory Tools", IEEE 10th Conf. on Information Technology Based Higher Education and Training (ITHET 2011), 1, 1-4, 2011.
25	Cagiltay, N. Aydin, E., A. Kara, Erdem, C., Ozbek, M.E., "Virtual or Remote Laboratory Why?", World Conference on Educational Multimedia, Hypermedia and Telecommunications, 1, 3772-3777, 2011.
24	O. Turkkan, Y. Dalveren, A. Kara, "Design of a Low Cost Wireless Transmission Module", Int. Conf. on Wireless Communications and Mobile Computing, 1, 1-4, 2011.
23	A. Kara, C., Erdem, M.E., Ozbek, N.,Cagiltay, E.,Aydin, "A web Based Training Module for Teaching Digital Communications: Content Design", Int. Engineering Education Conference, 1-5,2010.
22	H. Ortaovalı H., M.B. Çelebi, B. Akar, E. Uyar, Y. Kartal,A. Kara, O.Yürekten, A. Tümay, K. Dinçer, "ED Sistemleri için Etkin Darbe Ayrıştırma ve Tehdit Kimliklendirme Algoritması Geliştirilmesi", 5. Savunma Teknolojileri Kongresi, Ankara, 2010.
21	C., Erdem, M.E., Ozbek, A. Kara, N., Cagiltay, E.,Aydin, "Web tabanlı Sayısal Haberleşme Sistemi Eğitim Sistemi Geliştirilmesi: Teknik Boyut", URSI Ulusal Kongresi, Kıbrıs, 1, 494-498, 2010.
20	A. Kara, E. Aydin, M.E.Ozbek, N.Cagiltay, "Design and Development of a Remote and Virtual Environment for Experimental Training in Electrical and Electronics Engineering", IEEE 9 th Int. Conf. On Information Technology Based Higher Education and Training (ITHET 2010), 1, 194-200, 2010.
19	N.Cagiltay, E.Aydin, A. Kara, "Principles for the Design of a Remote Laboratory: A Case Study on ERRL", IEEE Engineering Education 2010 – The Future of Global Learning in Engineering Education, 2010.
18	M.E. Ozbek, A. Kara, M.Atas, "Software Technologies, Architectures and Interoperability in Remote Laboratories", IEEE 9 th Int. Conf. On Information Technology Based Higher Education and Training (ITHET 2010), 402-406, 2010.

17	M.B. Tabakcioglu, A. Ozmen, A.Kara, "A Study for Development of Propagation Model Based on Ray Tracing for Coverage Prediction in Terrestrial Broadcasting Systems", IEEE 17th Signal Processing and Communications Applications Conference (SIU 2009), 169-173, 2009.
16	M. B. Çelebi, A. Kara, B. Akar, A.Tümay, K. Dinçer, "A New Approach to Threat Tracking on ESM Systems by Using Kalman Filters", IEEE 17th Signal Processing and Communications Applications Conference (SIU 2009), 173-176, 2009.
15	B. Akar, K. Günalp, Ö. Yürekten, A. Kara, A. Tümay, K. Dinçer, "Sarf Edilebilir Karşı Tedbir Atım Sisteminin Etkinliğinin Arttırılması", 3. Ulusal Savunma Uyg. Modelleme ve Simülasyon Konf. (USMOS), pp.01-09, 2009.
14	C.C.Aydin, G. Turkmen, E. Ozyurt, E. Aydin, N.E. Cagiltay, M.E. Ozbek, A. Kara, "Uzaktan Laboratuvar Uygulamaları ERRL: Elektronik Alanında Radyo Haberleşmesi Üzerine Bir Çalışma", 2nd International Future-Learning Conference On Innovations in Learning for the Future 2008 : e-Learning, Turkish Informatics Foundation Distance Learning Platform (UzEP), 2008.
13	A.Kara, N.E. Cagiltay, E. Aydin, C.C. Aydin, A. Kara, "What Do Remote Laboratory Applications Promise for Engineering Students: A Case Study of ERRL Project", Bilişim Teknolojileri Işığında Eğitim Konferansı bildiri kitapçığı, 41-45, 2008.
12	M.B. Tabakcioglu, A. Kara, "Discussions of Various UTD and PO Solutions for Multiple-Edge Diffractions in Urban Radio Propagation Modeling", Vth International Workshop on Electromagnetic Wave Scattering, 11, pp.1-6, 2008.
11	C.Ç. Aydın, G. Türkmen, E. Özyurt, E. U. Aydın, N. E. Çağıltay, M. E. Özbek, N. Ceren Alparslan and A. Kara, "Distance laboratory applications ERRL: A study on radio communication in electronic field", IEEE 11th International Conf. on Optimization of Electrical and Electronic Equipment, 157-162, 2008.
10	M.B.Tabakcioglu, A.Kara, "On the Improvements in Multiple Edge Transition Zone Diffraction", European Conf. on Antennas and Prop.(EuCAP), pp.01-05, 2007.
9	A. Kara , E. U. Aydin, R. Öktem, and N. Çağıltay, "A Remote Laboratory for Training in Radio Communications: ERRL", IEEE 18th International Symposium on Personal, Indoor and Mobile Radio Communications(PIMRC), pp.01-04, 2007.
8	M.B. Vural, M. Yildiz, A. Kara, "Measurement of Local Environmental Effects in UWB Channels", European Conf. on Antennas and Prop. (EuCAP), pp.01-04, 2006.
7	M. Yıldız, M. D. Vural, A. Kara, "UWB Kanallarda Yerel Çevresel Etkilerin Ölçülmesi", URSI Ulusal Kongresi, İstanbul, 1, 1-4, 2006.
6	A. Kara, Erdem Yazgan, "Bluetooth ve WLAN Arasındaki Girişimin Yayılım Özellikleri Bakımından İncelenmesi", URSI Ulusal Kongresi, Ankara, 1, 1-4, 2002.
5	A. Kara, H.L. Bertoni, "Blockage/shadowing and polarization measurements at 2.45 GHz for interference evaluation between Bluetooth and IEEE 802.11 WLAN", IEEE Antennas and Propagation Society International Symposium(APS/URSI), 3, 376-379, 2001.
4	A. Kara, E. Yazgan, "UTD-based propagation model for the path loss characteristics of cellular mobile communications system", IEEE Antennas and Propagation Society International Symposium(APS/URSI), 3, 392-395, 1999.
3	A. Kara, A. H. Serbest, "Yüzey Dalgalarının Oluklu Yapılardan Saçılması", EMO 6. Ulusal Kongresi, Bursa, 1, 26-28, 1995.

CITATIONS

Sum of times cited without self-citations (ISI Web of Science/Google Scholar)	119/578
h-index (ISI Web of Science/ Google Scholar)	7/13

COURSES TAUGHT

1	EE 213 Probability and Random Processes
2	EE 316 Communication Systems
3	EE 401 Digital Communications

4	EE 402 Wireless Communications
5	EE 404 Radar Systems
6	EE 542 Electronic Warfare Systems
7	EE 545 Radar Signal Processing
8	EE 572 Applications of Communications and Signal Processing
9	EE 606 Special Topics

GRADUATED STUDENTS (THESIS ADVISORY)

P5	Ahmed Alabish (PhD), Modeling and Characterization of Human Body Shadowing at Millimeter Waves, 2020
P4	Alghannai Aghnaiya (PhD), Variational Mode Decomposition-Based Radio Frequency Fingerprinting of Bluetooth Devices, 2020
P3	Aysha M. Ali (PhD), Assessment of Features and Classifiers for Bluetooth RF Fingerprinting, 2019
P2	Yaser Dalveren (PhD), Use of Multipaths in Passive Localization of Emitters, 2016
P1	Kenan Gencol (PhD), New Methods for Radar Emitter Identification, 2015 (co-supervisor)
M17	Gulsima Bilgin (MSc), Design and Implementation of High Gain Microstrip Antennas for Sub-GHz Bands, 2019 (co-supervisor)
M16	Vadi Su Yılmaz (MSc), Design and Fabrication of Miniaturized Microstrip Antennas at 900 MHz for Industrial Remote Controllers, 2019
M15	Ahmet Erpay(MSc), An Experimental Study on Time Synchronization in Linear Spanning Tree Wireless Sensor Networks, 2018
M14	Emre Uzundurukan (MSc), Design and Implementation of Modular Front End for RF Fingerprinting of Bluetooth Signals, 2018
M13	Mahfoud Y.A. Abdulrazigh (MSc), Analysis and Quantization of Range Error of Modular FMCW Radar at C Band, 2017
M12	Mabroka Bubraig (MSc), Design of Small Dual Band Slot Antenna, 2017 (co-supervisor)
M11	Seyma Tutuncu (MSc), Indoor Radio Propagation Studies in Industrial Environments, 2016
M10	Orhan Ulubey (MSc), Optimization of Satellite Transponder Utilization Based on Simulation Results, 2015
M9	Mustafa Talha Ozturk (MSc), Spectral Analysis of Parabolic Range Gate Pull-Off (RGPO) Signals in Digital Radio Frequency Memory(DRFM), 2015
M8	Ilter Karadede (MSc), Signal and System Level Simulations on Wideband Intercept Receivers, 2014
M7	Kamil Yavuz Kapusuz (MSc), Determination of Scattering Center of Multipath Signals Using Geometric Optics and Fresnel Zone Concept, 2013
M6	Cihangir Erdem (MSc), Towards Real Time Implementation of Specific Emitter Identification (SEI) on Pulse Waveforms: Optimization on a Low Cost Platform, 2012
M5	Yaser Dalveren (MSc), Localization of Emitters over and around Sea Surfaces, 2011
M4	Aslanbek Mustafa Kilincarslan (MSc), A Study on Identification of Radar Emitters, 2011

M3	Rana Kadioglu (MSc), Performance Benchmarking of Cellular Network Operators in Turkey, 2010
M2	Mehmet Baris Tabakcioglu (MSc), Development of an Improved Algorithm for Multiple Diffractions in Urban Radio Propagation, 2009
M1	Osman Turkkan (MSc), Development of a Wireless Transmission Module for Modbus Applications, 2008

CURRENT GRADUATE STUDENTS (THESIS ADVISORY)

1	Saleh Abufana (PhD)
2	Ismail Salem Khalifa Mohamed (PhD)
3	Badar-ud din-Ahmed (PhD)
4	Emre Uzundurukan (PhD)
5	Abdullah Imran (PhD)
6	Bengisu Yalcinkaya (PhD)
7	Busra Tezel (PhD)
8	Burcu Bilgic (MSc) (co-advisor:E.Aydin)
9	Bamoye Maiga (MSc) (co-advisor:Y.Dalveren)
10	Derda Erdem Sala (MSc)
11	Sarp Koksal (MSc)
12	Gokhan Karatas (MSc)