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PERSONAL

Date of Birth	03.03.1985
Place of Birth	Ankara/Turkey

EDUCATION

2011-2016	Atilim University, Modeling and Design of Engineering Systems (Main Field of Study: Electrical and Electronics Engineering), Ph.D.
2009-2011	Atilim University, Electrical and Electronics Engineering, M.S.
2003-2009	Atilim University, Electrical and Electronics Engineering, B.S.

ACADEMIC POSITIONS

04/2017-	Assistant Professor, Department of Avionics, Atilim University, Turkey
09/2019-	Postdoctoral Fellow, Department of Electronic Systems, Norwegian University of Science and Technology (NTNU), Norway
03/2011-03/2017	Research Assistant, Department of Electrical and Electronics Engineering Atilim University, Turkey
02/2009-02/2011	Research Assistant (Part-Time), Deptartment of Electrical and Electronics Engineering, Atilim University, Turkey

ADMINISTRATIVE DUTIES

08/2017-08/2019	Vice Director, Atilim University Graduate School of Natural and Applied Sciences

HONORS&AWARDS

1	ERCIM Alain Bensoussan Fellowship, 2019.
2	Best paper award in 3rd International Conference on Advanced Technology & Sciences, 2016.

RESEARCH INTERESTS

1	Wireless communications
2	Digital and sensor array signal processing
3	Internet of Things

PUBLICATIONS

1	M. A. A. Imran, Y. Dalveren, B. Tavli, and 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 & Networking, *accepted*, 2020.
2	M. Bouzidi, Y. Dalveren, F.A. Cheikh, and M. Derawi, Use of the IQRF Technology in Internet-of-Things-Based Smart Cities, IEEE Access, vol. 8, pp. 56615-56629, 2020.
3	A. Aghnaiya, Y. Dalveren, and A. Kara, On the Performance of Variational Mode Decomposition-Based Radio Frequency Fingerprinting of Bluetooth Devices, Sensors, vol. 20, no. 6, 1704, 2020.
4	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, DOI: https://doi.org/10.1007/s11277-020-07162-z, 2020.
5	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, vol. 8, no. 1, pp. 1118-1127, 2020.
6	Y. Dalveren, A. Kara, Multipath Exploitation in Emitter Localization for Irregular Terrains, Radioengineering, vol. 28, no. 2, pp. 473-482, 2019.
7	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, vol. 7, pp. 69687-69691, 2019.
8	R. Kadıoğlu, Y. Dalveren, and A. Kara, Quality of Service Assessment: A Case Study on Performance Benchmarking of Cellular Network Operators in Turkey, Turkish Journal of Electrical Engineering & Computer Sciences, v. 23, no. 2, pp. 548 – 559, 2015.
9	A. Kara, N. E. Cagiltay, and Y. Dalveren, An Enhanced Course in Digital Communications, International Journal of Engineering Education, v. 30, no. 4, pp. 1048 – 1059, 2014.
10	Y. Dalveren, Using E-Learning in Enterprise Resource Planning (ERP) Training: A Case Study to Assist Curriculum Designers in Turkey, Procedia - Social and Behavioral Sciences, vol. 116, pp. 1353 – 1357, 2013.
11	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, v. 46, pp. 1547 – 1551, 2012.

PROJECTS

1	Localization of Emitters by Exploiting Multipaths (Researcher/TUBITAK-1001) (ongoing)
2	Development of Hilbert-Huang Transform Based RF Fingerprinting Identification System for Wi-Fi Signals, 2018-2019 (Atilim University-LAP)
3	Design of a Low-Cost Wireless Data Collection, Monitoring and Recording System, 2013-2014 (Atilim University-LAP)
4	Design of Crane Control System for Dense Interference Environments, 2011-2012 (Atilim University-LAP)

PATENTS

1	Y. Dalveren, A. Kara, Yansımalar Kullanılarak Emisyon Kaynaklarının Konumlandırılmasında Doğruluğun Arttırılması, Turkish Patent Institute, Application Number: 2016/18856 (Pending)

CONFERENCE PRESENTATIONS

1	M. Derawi, Y. Dalveren, and F.A. Cheikh, Internet-of-Things-Based Smart Transportation Systems for Safer Roads, IEEE 6th World Forum on Internet of Things, 2020.
2	Y. Dalveren, Target Localization in NLOS Environments by Machine Learning: An Insight from a Literature Review, 6th International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA 2019), Cyprus, 2019.
3	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.
4	Y. Dalveren, A. Kara, On the Accuracy of TDOA-based Passive Localization of Emitters, 5th International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA 2018), Cyprus, 2017.
5	Y. Dalveren, A. Kara, A Discussion on Using Non-Gaussian Noise to Model Sensor position Error in Source Localization, 4th International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA 2017), Cyprus, 2017.
6	Y. Dalveren, A. Kara, Comparative Analysis of TDOA-based Localization Methods in the Presence of Sensor Position Errors", IEEE 4th International Conference on Control, Decision and Information Technologies (CoDIT'17), Barcelona/Spain, 2017.
7	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 2017), Moscow/Russia, 2017.
8	O. Karapür, G. M. Keskin, 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.
9	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.
10	Y. Dalveren, A. Kara, Classification of Objects Over and Around Sea Surface for Passive Geolocation, 12th Mediterranean Microwave Symposium (MMS 2012), Istanbul/Turkey, 2012.
11	K.Y. Kapusuz, Y. Dalveren, A. Kara, Deniz Yüzeyi ve Çevresindeki Saçıcıların Bistatik Saçılma KatsayısınınKutuplanma ve Saçılma Açısına Bağımlılığının İncelenmesi, URSI Ulusal Kongresi, İstanbul/Turkey, 2012.
12	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/Turkey, 2012.
13	A. Kara, N. E. Cagiltay, Y. Dalveren, 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), Kusadasi/Turkey, 2011.
14	O. Turkkan, A. Kara, Y. Dalveren, Design of a Low Cost Wireless Transmission Module, International Conference on Wireless Communications and Mobile Computing, Istanbul/Turkey, 2011.

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	17
H-index (ISI Web of Science):	3

COURSES GIVEN

1	EE106 Introduction to Computational Tools
2	AEE204 Electronic Circuits
3	AEE304 Aircraft Communication Systems
4	AEE305 RF and Antennas
5	AEE307 Avionics Systems
6	AEE405 Navigation Systems

THESES SUPERVISED

1	Ahmet Mert Durukan (MSc), Comparative Assessment of Switching Options for Back to Back Antennas in Wireless Networks, 2019 (supervisor)
2	Ahmed Alabish (PhD), Modeling and Characterization of Human Body Shadowing at Millimeter Waves, 2019 (co-supervisor)