

DOĞAY ALTINEL

ASST. PROF.

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International Researcher IDs

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Biography

Dogay Altinel received the B.S. degree in electronics engineering from Hacettepe University, Turkey, in 1992 and the M.Sc. and Ph.D. degrees in telecommunications engineering from Istanbul Technical University in 2014 and 2019, respectively. He was with Electronics and Telecommunication Industry from 1992 and 2012. He has been with Istanbul Medeniyet University since 2012. His research interests lie in the areas of communication theory, wireless networks, and energy harvesting systems.

Learning Knowledge

Doctorate 2014 - 2019	Istanbul Technical University, Fen Bilimleri Enstitüsü, Telekomünikasyon Mühendisliği, Turkey
Postgraduate 2012 - 2014	Istanbul Technical University, Fen Bilimleri Enstitüsü, Telekomünikasyon Mühendisliği, Turkey
Undergraduate 1987 - 1992	Hacettepe University, Mühendislik Fakültesi, Elektronik Mühendisliği, Turkey

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Gelecek Nesil Kablosuz Haberleşme Ağları İçin Enerji Hasatlama Sistemleri, Istanbul Technical University, Fen Bilimleri Enstitüsü, Telekomünikasyon Mühendisliği, 2019

Postgraduate, RF Energy Harvesting in Wireless Communication Systems: Statistical Models for Battery Recharging Time, Istanbul Technical University, Fen Bilimleri Enstitüsü, Telekomünikasyon Mühendisliği, 2014

Academic Titles / Tasks

Lecturer PhD 2012 - Continues	Istanbul Medeniyet University, Faculty Of Engineering And Natural Sciences , Electrical And Electronics Engineering
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Supported Projects

1. Altinel D., Karabulut Kurt G. Z. , Project Supported by Higher Education Institutions, Enerji Hasatlama Tekniklerinde Çeşitleme Kazancının İncelenmesi, 2016 - 2019
2. CAN E., KABAĞOĞLU N., COŞKUN F. M. , KOYTAK Z. N. , KEÇECİ K., SAĞIR F., HAZAR M. A. , ALTINEL D., GEREN M., KISAAYAK ÇOLLAK F., et al., Project Supported by Higher Education Institutions, Mühendislik ve Doğa Bilimleri Fakültesi Lisans Programları Eğitim Laboratuvarlarının Kurulması, 2017 - 2018
3. Altinel D., Karabulut Kurt G. Z. , Project Supported by Other Official Institutions, RF İşaretinden Enerji Hasatlamada Kaynak Yönetimi Perspektifi: Benzetim ve Test Ortamının Oluşturulması, 2013 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Effects of Different Modulation Techniques on Charging Time in RF Energy-Harvesting System**
Cansiz M., ALTINEL D., Karabulut Kurt G. Z.
IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol.69, no.9, pp.6904-6911, 2020 (Peer-Reviewed Journal)
2. **Modeling of Multiple Energy Sources for Hybrid Energy Harvesting IoT Systems**
Altinel D., Karabulut Kurt G. Z.
IEEE Internet of Things Journal, vol.6, pp.10846-10854, 2019 (Peer-Reviewed Journal)
3. **Efficiency in RF energy harvesting systems: A comprehensive review**
Cansiz M., Altinel D., Kurt G. K.
Energy, pp.292-309, 2019 (Peer-Reviewed Journal)
4. **Finite-State Markov Channel Based Modeling of RF Energy Harvesting Systems**
Altinel D., Karabulut Kurt G. Z.
IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, vol.67, no.2, pp.1713-1725, 2018 (Peer-Reviewed Journal)
5. **Energy Harvesting From Multiple RF Sources in Wireless Fading Channels**
Altinel D., Kurt G. K.
IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, vol.65, no.11, pp.8854-8864, 2016 (Peer-Reviewed Journal)

Articles Published in Other Journals

1. **Modeling of Hybrid Energy Harvesting Communication Systems**
Altinel D., Karabulut Kurt G. Z.
IEEE Transactions on Green Communications and Networking, vol.3, pp.523-534, 2019 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

1. **Frequency switching for simultaneous wireless information and power transfer**
Altinel D., Kurt G. K.
84th IEEE Vehicular Technology Conference, VTC Fall 2016, Montreal, Canada, 18 - 21 September 2016
2. **A Test-bed based Guideline for Multi-Source Energy Harvesting**
Davut E., Kazanci O., Çağlar A., Altinel D., Yelten M. B. , Kurt G. K.
10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.1267-1271
3. **Diversity Combining for RF Energy Harvesting**
Altinel D., Kurt G. K.
IEEE 85th Vehicular Technology Conference (VTC Spring), Sydney, Australia, 4 - 07 June 2017
4. **Statistical Models for Battery Recharging Time in RF Energy Harvesting Systems**

Altinel D., Kurt G. K.

IEEE Wireless Communications and Networking Conference (WCNC), İstanbul, Turkey, 6 - 09 April 2014, pp.636-641

Courses

Enerji Dönüşüm Temelleri, Undergraduate, 2020 - 2021

Elektronik ve Haberleşme Laboratuvarı, Undergraduate, 2020 - 2021

Algoritmalar ve Veri Yapıları, Undergraduate, 2020 - 2021

Elektrik-Elektronik Mühendisliğinde Güncel Konular, Undergraduate, 2020 - 2021

Sayısal Sinyal İşleme, Undergraduate, 2020 - 2021

Sinyaller ve Sistemler, Undergraduate, 2020 - 2021

Patent

Altinel D., Combined Multi-Source Energy Harvesting and Communication Management System, Patent, CHAPTER H Electricity, The Invention Registration Number: US 10,892,651 B2 , Standard Registration, 2021

Scientific Refereeing

IEEE Transactions On Vehicular Technology, SCI Journal, March 2021

IEEE Communications Letters, SCI Journal, January 2020

IEEE Transactions on Green Communications and Networking, Other Indexed Journal, January 2020

IEEE Sensors Journal, SCI Journal, November 2019

IEEE Communications Letters, SCI Journal, May 2019

IEEE Transactions on Vehicular Technology, SCI Journal, May 2019

IEEE Transactions on Vehicular Technology, SCI Journal, August 2018

IEEE Communications Letters, SCI Journal, March 2018

IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, SCI Journal, December 2017

COMPUTER COMMUNICATIONS, SCI Journal, November 2017

IEEE Communications Letters, SCI Journal, June 2017

IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, SCI Journal, January 2017

IEEE Transactions on Vehicular Technology, SCI Journal, November 2016

IEEE Communications Letters, SCI Journal, November 2016

IEEE Communications Letters, SCI Journal, September 2016

IEEE Transactions on Vehicular Technology, SCI Journal, November 2015

Metrics

Publication: 10

Citation (WoS): 54

Citation (Scopus): 55

H-Index (WoS): 4

H-Index (Scopus): 3

Non Academic Experience

Business Establishment Private, Alben

Business Establishment Private, Turkkule (Globaltower)

Business Establishment Private, Turkcell

Business Establishment Private, Toshiba(İncekaralar+Tmst)

Public Corporation, Seka