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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AEZ-0693-2022

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Education Information

Doctorate, Iowa State University, United States Of America 2005 - 2009

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2001 - 2003

Undergraduate, Istanbul Technical University, Turkey 1997 - 2001

Foreign Languages

English

Dissertations

Doctorate, Validation of remotely-sensed soil moisture observations for bare soil at 1.4 ghz: a quantitative approach through radiative transfer models to characterize abrupt transitions caused by a ponding event in an agricultural field, modifications to radiative transfer models, and a mobile groundbased system, Iowa State University, 2009

Postgraduate, Analysis and image reconstruction of synthetic aperture radar raw data, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2003

Academic Titles / Tasks

Istanbul Yeni Yuzyil University, 2014 - Continues

Research Assistant, Iowa State University of Science and Technology, 2005 - 2009

Research Assistant, Istanbul Technical University, 2001 - 2004

Academic and Administrative Experience

Istanbul Yeni Yuzyil University, 2023 - Continues

Istanbul Yeni Yuzyil University, 2021 - Continues

Istanbul Yeni Yuzyil University, 2021 - Continues

Istanbul Yeni Yuzyil University, 2018 - Continues

Istanbul Yeni Yuzyil University, 2021 - 2022

Courses

Mikrodalga Tekniđi 2, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019, 2017-2018
Mikrodalga Tekniđi 1, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019
Enerji Dönüřümü, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019, 2017-2018, 2016-2017, 2015-2016, 2014-2015
Antenler ve Yayılma, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2016-2017, 2015-2016, 2014-2015
Elektromagnetik Dalga Teorisi, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019, 2017-2018
Elektromagnetik Alan Teorisi, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019, 2017-2018
Aydınlatma Tekniđi, Undergraduate, 2018-2019, 2017-2018, 2016-2017, 2015-2016
Güç Sistemleri, Undergraduate, 2017-2018, 2016-2017, 2015-2016, 2014-2015
Mantık Devreleri ve Laboratuvarı, Undergraduate, 2016-2017, 2015-2016, 2014-2015
Kontrol Sistem Teorisi, Undergraduate, 2016-2017, 2015-2016, 2014-2015
Sayısal Sinyal İşleme, Undergraduate, 2016-2017, 2015-2016, 2014-2015
Bilim ve Mühendislik Tarihi, Undergraduate, 2016-2017, 2015-2016, 2014-2015
Elektrik Elektronik Mühendisliğine Giriş, Undergraduate, 2014-2015
Bilim ve Mühendislik Tarihi, Undergraduate, 2013-2014
Antenler ve Yayılma, Undergraduate, 2013-2014
Aydınlatma Tekniđi, Undergraduate, 2013-2014
Güç Sistemleri, Undergraduate, 2013-2014
Mantık Devreleri ve Laboratuvarı, Undergraduate, 2013-2014
Sayısal Sinyal İşleme, Undergraduate, 2013-2014

Advising Theses

DÖĞÜŞGEN C., X bant frekans seçici yüzeyle radom tasarımı, Postgraduate, C.TOPCUOĞLU(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Impact of deep soil layer on terrestrial microwave emission for a bare agricultural field**
DÖĞÜŞGEN C.
Radioengineering, vol.26, no.3, pp.721-727, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Microstrip Patch Antenna Designs with Quarter-Circular and Semi-Circular Slots in Patches for Wireless Communication Applications in Frequency Range of 1.2 GHz-4.6 GHz**
DÖĞÜŞGEN C.
Advances in Science, Technology and Engineering Systems Journal, vol.6, no.3, pp.257-262, 2021 (Peer-Reviewed Journal)
- II. **Hexagonal Ring Microstrip Patch Antennas for PCS and S-Band Radar Applications**
DÖĞÜŞGEN C.
INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS ELECTRONICS AND COMPUTERS, vol.8, no.4, pp.120-124, 2020 (Peer-Reviewed Journal)
- III. **Parazitik Elemanlar Kullanılarak Bant Filtreleyici Düzlemsel Anten Tasarımı**
Şimşek H., Erdoğan O., DÖĞÜŞGEN C.
EMO Bilimsel Dergi, vol.10, no.2, pp.23-31, 2020 (Peer-Reviewed Journal)
- IV. **A Wideband Square Spiral Antenna for Multiple Airborne Applications**
DÖĞÜŞGEN C., OKATAN A.

Havacılık ve Uzak Teknolojileri Dergisi, vol.12, no.1, pp.31-40, 2019 (Peer-Reviewed Journal)

- V. **An Analytical Approach for Material Synthesis based on Shielding Effectiveness Characteristics**
DÖĞÜŞGEN C., KENT PINAR S.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.22, no.1, pp.95-102, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Beşinci Nesil Teknolojisi (5G), Küresel Navigasyon Uydu Sistemi (GNSS) ve Anten Yapıları**
DÖĞÜŞGEN C.
in: Mühendislikte Güncel Araştırmalar, Selahattin Bardak, Ümit Ayata, Editor, Gece Kitaplığı Yayınevi, Ankara, pp.24-38, 2023
- II. **Mikroşerit Yama Antenler**
DÖĞÜŞGEN C.
in: Mühendislikte Güncel Araştırmalar, Bardak Selahattin, Yurdakul Ömer, Yalçın Numan, Editor, Gece Kitaplığı Yayınevi, Ankara, pp.251-265, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Microstrip Patch Antenna Design for 6 GHz WiFi Technology**
DÖĞÜŞGEN C.
10th International Conference on Advanced Technologies (ICAT 2022), Van, Turkey, 25 November 2022, pp.78
- II. **GSM-1800 Uygulamasına Yönelik Mikroşerit Yama Anten Tasarımı**
Akbaş B., DÖĞÜŞGEN C.
8. Bilim Günleri Kongresi, İstanbul, Turkey, 09 May 2022
- III. **Kablosuz İletişim Uygulamaları için Sarmal Anten Tasarımı**
Yılmaz Ş. U., Yavuz M. E., Tuğcu E., DÖĞÜŞGEN C.
8. Bilim Günleri Kongresi, İstanbul, Turkey, 9 - 11 May 2022
- IV. **5G, UMTS, WiFi, WiMax ve C-bandı Uygulamalarında Kullanılabilen Dört Köşeli Yıldız Şeklinde Yamaya Sahip Mikroşerit Yama Anten Tasarımı**
DÖĞÜŞGEN C.
URSI-Türkiye 2021 X. Bilimsel Kongresi, Kocaeli, Turkey, 7 - 09 September 2021
- V. **Hexagonal Ring Microstrip Patch Antennas for PCS and S Band Radar Applications**
DÖĞÜŞGEN C.
9th International Conference on Advanced Technologies (ICAT 2020), İstanbul, Turkey, 10 August 2020, pp.88
- VI. **GSM-1800 İçin Yarıklı Toprak Düzlemine Sahip Halka Mikroşerit Yama Anten Yapıları**
DÖĞÜŞGEN C., OKATAN A.
Elektrik-Elektronik ve Biyomedikal Mühendisliği Konferansı (ELECO 2018), Bursa, Turkey, 30 November - 01 December 2018, pp.553-557
- VII. **X-Band Frequency Selective Surface Design**
TÜRKER TOKAN N., DÖĞÜŞGEN C., Topcuoğlu c.
International Congress on Engineering and Life Science, Kastamonu, Turkey, 26 - 29 April 2018, pp.639
- VIII. **Fotovoltaik Güneş Pili Modellerinin Analizi ve Karşılaştırılması**
Aydın E., DÖĞÜŞGEN C.
9. Yenilenebilir Enerji Kaynakları Sempozyumu, Antalya, Turkey, 3 - 05 November 2017, pp.70-80
- IX. **Modeling Diurnal Changes in Microwave Emission from Bare Soil**
DÖĞÜŞGEN C., Hornbuckle B. K.
IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2006), Denver (Colorado), United States Of America, 31 July - 04 August 2006, pp.1732-1735
- X. **The Iowa State University Direct Sampling L-Band Digital Radiometer**

De Roo R. D., DÖĞÜŞGEN C., Hornbuckle B. K.

2006 IEEE Microrad Conference, San Juan, Argentina, 28 February - 03 March 2006, pp.70-76

XI. A New Iterative Technique for Image Restoration of ERS-2 Raw Data

DÖĞÜŞGEN C., KENT PINAR S.

Recent Advances in Space Technologies (RAST 2003), İstanbul, Turkey, 20 - 22 November 2003, pp.85-90

XII. Extraction of High Reflectance Regions from a SAR Image

DÖĞÜŞGEN C., KENT PINAR S.

Recent Advances in Space Technologies (RAST 2003), İstanbul, Turkey, 20 - 22 November 2003, pp.664-666

XIII. Dikdörtgen Açıklıklı Dikdörtgen Yapılarda Ekranlama Verimi

DÖĞÜŞGEN C., KENT PINAR S.

Elektrik-Elektronik-Bilgisayar Mühendisliği 10. Ulusal Kongresi, İstanbul, Turkey, 18 - 21 September 2003, pp.409-412

XIV. Optimization on Wedge Type Absorbers via Genetic Algorithm

DÖĞÜŞGEN C., GÜNEL M. T., KENT PINAR S.

The 2003 IEEE International Symposium on Electromagnetic Compatibility (EMC), İstanbul, Turkey, 11 - 16 May 2003, pp.1255-1258

XV. Shielding Effectiveness of a Rectangular Cavity with Aperture between 1-3 GHz

DÖĞÜŞGEN C., KENT PINAR S.

The 2003 IEEE International Symposium on Electromagnetic Compatibility (EMC), İstanbul, Turkey, 11 - 16 May 2003, pp.343-346

XVI. GPOF Yöntemiyle Radar İşaretinin Kutuplarının Bulunması

DÖĞÜŞGEN C.

URSI Türkiye 2002 Birinci Ulusal Kongresi, İstanbul, Turkey, 18 September 2002

Supported Projects

DÖĞÜŞGEN C., Özkeser İ., TUBİTAK Project, 5G Uygulamasına Yönelik Mikroşerit Yama Anten Tasarımı ve Üretimi, 2023 - Continues

Hornbuckle B. K., Iowa agriculture and home economics experiment station project, 2005 - 2009

Hornbuckle B. K., Quantifying the effect of intercepted precipitation and dew on terrestrial microwave emission at L-band, 2005 - 2009

Patent

DÖĞÜŞGEN C., Geniş Bantlı Karesel Sarmal Anten, Patent, CHAPTER H Electricity, Standard Registration, 2022

Metrics

Publication: 24

Citation (Scopus): 6

H-Index (Scopus): 1

Non Academic Experience

Otokar Otomotiv ve Savunma Sanayi AŞ