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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: X-4093-2019

ScopusID: 55515679900

Education Information

Doctorate, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, Turkey 2012 - 2017

Postgraduate, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, Turkey 2010 - 2012

Undergraduate, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, Turkey 2004 - 2009

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, KISMİ YÜKLÜ DALGAKILAVUZLARI İLE MİKRODALGA CİHAZI TASARIMININ TERS SAÇILMA VE OPTİMİZASYON PROBLEMİ OLARAK İNCELENMESİ, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2017

Postgraduate, Direct scattering problem for 3-d inhomogeneous materials loaded inside circular waveguide, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2012

Research Areas

Electromagnetic

Academic Titles / Tasks

Research Assistant, Marmara University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 2013 - Continues

Research Assistant, Dogus University, Faculty Of Engineering, Department Of Electronics And Communications Engineering, 2011 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A hybrid MoM/MM method for fast analysis of E-plane dielectric loaded waveguides**
AYDOĞAN A.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.100, pp.9-15, 2019 (SCI-Expanded)
- II. **Complex permittivity determination only with reflection coefficient in partially filled waveguides**
AYDOĞAN A., Akinci M. N., Akleman Yapar F.
MEASUREMENT SCIENCE AND TECHNOLOGY, vol.29, no.11, 2018 (SCI-Expanded)
- III. **Analysis of Direct and Inverse Problems Related to Circular Waveguides Loaded With Inhomogeneous Lossy Dielectric Objects**
Aydogan A., Akleman Yapar F.
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, vol.62, no.6, pp.1291-1300, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **Keyfi Şekilli Dielektrik Yüklü Dalga Kılavuzları için Saçılma Parametrelerinin Belirlenmesi**
UYSAL A., AYDOĞAN A., KILINÇ S., ÇAĞLAYAN T., AKLEMAN YAPAR F.
EMO Bilimsel Dergi, vol.7, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **İnce Rezistif Şeritler için Bistatik Radar Kesit Alanı Tasarımı**
AYDOĞAN A., Sağlam S.
ELECO 2018, Bursa, Turkey, 30 November - 01 December 2018
- II. **Multimode Extraction from Dielectric Loaded Waveguides via Method of Moments**
Aydogan A., Akleman Yapar F.
11th European Conference on Antennas and Propagation (EUCAP), Paris, France, 19 - 24 March 2017, pp.1008-1012
- III. **Determination of Complex Permittivity of Arbitrarily Shaped Homogenous Materials via Waveguide Measurements**
Aydogan A., Akleman Yapar F., Şimşek S.
11th European Conference on Antennas and Propagation (EUCAP), Paris, France, 19 - 24 March 2017, pp.696-699
- IV. **An Approximation for Direct and Inverse Problems Related to Longitudinally Inhomogeneous Waveguides**
AYDOĞAN A., AKLEMAN YAPAR F.
International Symposium on Fundamentals of Electrical Engineering 2016, 29 June - 03 July 2016
- V. **Dielectric Loaded Waveguide Filter Design**
Aydogan A., Akleman Yapar F., Yildiz S.
International Symposium on Fundamentals of Electrical Engineering (ISFEE), Romania, 30 June - 02 July 2016
- VI. **Remedy for Inverse Scattering Problems via Space-Mapping Inverse-Difference Approach**
AYDOĞAN A., Akleman Yapar F.
Computational Electromagnetics International Workshop (CEM), İzmir, Turkey, 1 - 04 July 2015, pp.64-65
- VII. **Complex permittivity determination of homogeneous objects loaded in circular waveguide via integral equation method**
AYDOĞAN A., AKLEMAN YAPAR F.
Progress in Electromagnetics Research Symposium, 12 - 15 August 2013
- VIII. **"Validation of MoM-based direct scattering analysis in circular waveguide for appropriate mesh-type decision**
AYDOĞAN A., AKLEMAN YAPAR F.

International Mathematical Methods in Electromagnetic Theory, 28 - 30 August 2012

- IX. **Dairesel dalga kılavuzuna yerleşleştirilmiş homojen olmayan cisimler için düz problemin çözümü**
AYDOĞAN A., AKLEMAN YAPAR F.

URSI Türkiye 2012 Bilimsel Kongresi ve Ulusal Genel Kurul Toplantısı, Turkey, 2 - 05 September 2012

Mobility Activity

Research Scholarship Program, Post Doc, Technische Universitaet München, Germany, 2018 - Continues

Metrics

Publication: 13

Citation (WoS): 18

Citation (Scopus): 3

H-Index (WoS): 3

H-Index (Scopus): 1