

Prof. NECMİ SERKAN TEZEL

Personal Information

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Education Information

Doctorate, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, Turkey 2001 - 2010

Post Graduate, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, Turkey 1999 - 2005

Under Graduate, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, Turkey 1994 - 1999

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, A second order newton method for reconstruction of perfectly conducting objects, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2010

Post Graduate, Hıza dayalı yapay açıklıklı radar ile görüntüleme ve okyanus modeli rain incelenmesi, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2001

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Karabuk University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2018 - Continues

Associate Professor, Karabuk University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2014 - 2018

Research Assistant, Istanbul Technical University, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, 1999 - 2009

Professional Experience

Head of Department, Karabuk University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2020 - Continues

Head of Department, Karabuk University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2018 - Continues

Fakülte Kurulu Üyesi, Karabuk University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2019 - 2020

Advising Theses

Tezel N. S. , UÇAN PLATFORMA YERLEŞTİRİLEN PASİF RADAR İLE YERDEKİ HAREKETLİ HEDEFLERİN TESPİTİ, Doctorate, K.İLERİ(Student), 2021

Tezel N. S. , Solar radiation prediction in solar energy systems using ANN models, Post Graduate, A.E(Student), 2020

Tezel N. S. , Electromagnetic scattering from anisotropic inhomogeneous impedance cylinder of arbitrary shape above pec surface, Post Graduate, M.MİLAD(Student), 2019

Tezel N. S. , Radio frequency power amplifiers for radar and protable communication systems, Post Graduate, A.MOHAMED(Student), 2019

Tezel N. S. , FM transmitter using hackrf one, Post Graduate, A.OMRAN(Student), 2018

Tezel N. S. , Transmitting FSK signals based on software defined radio using HACKRF one, Post Graduate, A.ELAMIN(Student), 2017

Tezel N. S. , Receiving fsk signals using hackrf, Post Graduate, S.MEFTAH(Student), 2017

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Effects of pH on the Optical, Structural and Supercapacitive Properties of BiTe Thin Films Produced via CBD**
Tezel N. S. , Meydaneri Tezel F., Kariper İ. A.
Bulletin Of Materials Science, vol.5, pp.5-15, 2021 (Journal Indexed in SCI Expanded)
- II. **The impact of pH on the structural, surface, electrical and optical properties of nanostructured PbSe thin films**
TEZEL N. S. , MEYDANERİ TEZEL F., KARİPER İ. A.
MATERIALS RESEARCH EXPRESS, vol.6, 2019 (Journal Indexed in SCI)
- III. **Surface and electro-optical properties of amorphous Sb₂S₃ thin films**
TEZEL N. S. , MEYDANERİ TEZEL F., KARİPER İ. A.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.125, 2019 (Journal Indexed in SCI)
- IV. **RFI shielding effectiveness of a soil berm**
Tezel N. S. , Reader H. C. , Davidson D. B.
Microwave and Optical Technology Letters, vol.59, pp.17-21, 2017 (Journal Indexed in SCI Expanded)
- V. **Electromagnetic scattering from anisotropic inhomogeneous impedance cylinder of arbitrary shape**
TEZEL N. S. , Tezel F. M.
Optoelectronics and Advanced Materials, Rapid Communications, vol.10, pp.705-711, 2016 (Journal Indexed in SCI Expanded)
- VI. **Electromagnetic scattering from periodic dielectric rough surfaces by transform method**
Tezel N. S.
Microwave and Optical Technology Letters, vol.56, pp.2572-2576, 2014 (Journal Indexed in SCI Expanded)
- VII. **Electromagnetic scattering by anisotropic inhomogeneous impedance cylinder of arbitrary shape using physical optics**
Tezel N. S.
IEEE Geoscience and Remote Sensing Letters, vol.5, pp.663-667, 2008 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **Frequency Shift Keying Scheme to Implement SDR using Hackrf one**
Elsaghier A. E. , TEZEL N. S. , Altiraiki S. M.
International Journal of Electronics Engineering Research, 2017 (Refereed Journals of Other Institutions)
- II. **One Dimensional Profile Reconstruction of Dielectric Cylinder by Using Neural Network**
TEZEL N. S.
Istanbul University Journal of Electrical and Electronics Engineering, 2009 (Other Refereed National Journals)
- III. **Neural network approach to shape reconstruction of a conducting cylinder**

TEZEL N. S. , ŞİMŞEK S.

Istanbul University Journal of Electrical & Electronics Engineering, vol.7, pp.299-304, 2007 (Other Refereed National Journals)

IV. Calculation of the scattering fields for impedance sphere by using series expansion method

TEZEL N. S. , ŞİMŞEK S., ESEN B.

Istanbul University Journal of Electrical & Electronics Engineering, 2003 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

I. Shape Reconstruction of Obstacle Located above PEC plane, International Conference of Applied Sciences

TEZEL N. S. , MEYDANERİ TEZEL F.

International Conference of Applied Sciences, Engineering and Mathematics (ICASEM 2017), Ohrid, Macedonia, 5 - 07 May 2017, pp.81

II. Newton Method for Reconstruction of Medium Parameters

TEZEL N. S. , MEYDANERİ TEZEL F.

International Conference of Applied Sciences, Engineering and Mathematics (ICASEM 2017), Ohrid, Macedonia, 5 - 07 May 2017, vol.83

III. Shape Reconstruction of Obstacle Located above PEC plane

TEZEL N. S. , MEYDANERİ TEZEL F.

International Conference of Applied Sciences, Engineering and Mathematics (ICASEM 2017), 5 - 07 May 2017

IV. Ground Moving Target Detection Performance of Displaced Phase Center Array Method for Airborne Passive Radar

TEZEL N. S. , COLONE F., LOMBARDO P.

4th International Conference on Advanced Technology & Science, 23 - 25 November 2016

V. Newton Method for Shape Reconstruction of a Buried Scatterer

TEZEL N. S.

4TH INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE, 3 - 05 November 2016

VI. Electromagnetic Scattering from Generalized Impedance Cylinder by Moment Method

TEZEL N. S.

4TH INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE, 3 - 05 November 2016

VII. Influences of Sb and Zn on Physical and Mechanical Properties of Bi Sn Eutectic Alloy

MEYDANERİ TEZEL F., TEZEL N. S. , BOLAT M., PINARCI C., QURBANOV N.

2nd International Conference on Engineering and Natural Sciences, Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016

VIII. Inserting moving targets to polarimetric SAR image by Self Deception Jamming

TEZEL N. S. , PAKER S.

8th European Conference on Synthetic Aperture Radar, 2 - 05 June 2008

IX. Inserting moving targets by Jamming into SAR image

TEZEL N. S. , PAKER S.

6th European Conference on Synthetic Aperture Radar, 16 - 18 May 2006

X. Bi static Radar Cross Section Reduction of Impedance Cylinder

TEZEL N. S. , PAKER S.

IEEE Radar Conference, 24 - 27 April 2006

XI. Bi Static Scattering Width Control of Multiple Coated PEC Cylinder

TEZEL N. S. , PAKER S.

IEEE International Geoscience and Remote Sensing Symposium, 25 - 29 July 2005

XII. Interference Reduction by Adaptive Weighting Using Steepest Descent Method for Any Array

Configuration

TEZEL N. S. , ŞİMŞEK S.

EEE AP-S International Symposium and USNC-URSI Meeting, 3 - 08 July 2005

XIII. Adaptive Finite Impulse Response Filtering for SAR Imaging

YILDIRIM İ., TEZEL N. S.

4th European Conference on Synthetic Aperture Radar, 25 - 27 May 2004

XIV. Investigation and Reduction of Noise Jamming Effects on SAR Imaging System European Conference on Synthetic Aperture Radar

TEZEL N. S. , PAKER S.

4th European Conference on Synthetic Aperture Radar, 25 - 27 May 2004

XV. Comprasion of Non parametric Spectral Estimators for SAR Imaging

YILDIRIM İ., TEZEL N. S. , ERER I., Yazgan B.

International Conference on Recent Advances in Space Technologies, 20 - 22 November 2003

XVI. Minimization of Jamming Effects for Planar Array Antennas by Using Adaptive Side Lobe Reduction Method in Space Domain

TEZEL N. S. , ŞİMŞEK S.

International Conference on Electrical and Electronics Engineering, 7 - 11 November 2003

XVII. Inverse Synthetic Aperture Radar Imaging for Point Scatterers Using APES Algorithm

TEZEL N. S. , YILDIRIM İ.

International Conference on Electrical and Electronics Engineering, 7 - 11 November 2003

XVIII. Evaluation of the Scattering Matrix for Impedance Sphere

TEZEL N. S. , ŞİMŞEK S.

IEEE International Symposium on Electromagnetic Compatibility, 11 - 16 May 2003

XIX. Coupling Effects of the Impedance Cylinder Located Between the Parallel Lines

TEZEL N. S. , YAPAR A., PAKER S.

2003 IEEE International Symposium on Electromagnetic Compatibility, 11 - 16 May 2003

Supported Projects

TEZEL N. S. , MEYDANERİ TEZEL F., SERİN A., Project Supported by Higher Education Institutions, Termoelektrik Yarıiletken BiTe İnce Filmlerin Optoelektronik Uygulamalarının Araştırılması, 2017 - 2019

TEZEL N. S. , Project Supported by Higher Education Institutions, HackRF Kullanarak FSK Sinyallerinin Alımı, 2017 - 2019

TEZEL N. S. , Project Supported by Higher Education Institutions, HackRf One kullanılarak FM verici tasarımı, 2017 - 2018

TEZEL N. S. , Project Supported by Higher Education Institutions, Transmitting FSK Signals based on Software Defined Radio using HackRF One, 2017 - 2018

TEZEL N. S. , Project Supported by Higher Education Institutions, Newton Method for Reconstruction of Medium Parameters, 2017 - 2017

TEZEL N. S. , Project Supported by Higher Education Institutions, OPTOELEKTRONİK UYGULAMALAR İÇİN PbSe İNCE FİLMLEİN ELEKTRONİK VE OPTİK ÖZELLİKLERİ, 2016 - 2017

TEZEL N. S. , Project Supported by Higher Education Institutions, GROUND MOVING TARGET DETECTION PERFORMANCE OF DISPLACED PHASE CENTER ARRAY METHOD FOR AIRBORNE PASSIVE RADAR, 2016 - 2017

Scientific Refereeing

SÜLEYMAN DEMİREL ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, July 2017

MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS, SCI Journal, April 2017

III. International Iron & Steel Symposium, Conference Paper (Full Text), March 2017

POLYMER COMPOSITES, SCI Journal, February 2017

Mehmet Akif Ersoy Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, National Scientific Refreed Journal, February 2017

Citations

Total Citations (WOS):1

h-index (WOS):1

Scholarships

2214 TÜBİTAK, University, 2016 - 2016

Square Kilometre Array, University, 2013 - 2014

DOKTORA SONRASI ARAŞTIRMA, University, 2009 - 2011

Ziyaretçi Araştırmacı, University, 2006 - 2007