

Prof. NAMIK YENER

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: F-6067-2018

Yoksis Researcher ID: 28551

Education Information

Doctorate, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliğı Bölümü, Turkey 1995 - 2000

Postgraduate, Cornell University, Mühendislik Fakültesi Elektrik Mühendisliğı Bölümü, United States Of America 1974 - 1977

Undergraduate, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliğı Bölümü, Turkey 1970 - 1974

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Bazı Üniform Dalga Kılavuzlarında Özdeğerlerin Transmisyon Hattı Eşdeğerlikleri Yardımıyla Belirlenmesi, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliğı Bölümü, 2000

Postgraduate, Some Preliminary Results on the Admittance Characterizations of C-Band Ga-As Read IMPATT Devices, Cornell University, Mühendislik Fakültesi Elektrik Mühendisliğı Bölümü, 1977

Research Areas

Electrical and Electronics Engineering, Electromagnetic, Electric and Magnetic Fields, Electromagnetic Waves, Antennas and Propagation

Academic Titles / Tasks

Professor, Istanbul Commerce University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliğı Bölümü, 2023 - Continues

Professor, Istanbul Gedik University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliğı, 2019 - 2022

Professor, Kocaeli University, Teknoloji Fakültesi, Biyomedikal Mühendisliği Bölümü, 2012 - 2019
Associate Professor, Kocaeli University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, 2005 - 2012
Assistant Professor, Kocaeli University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, 2000 - 2005
Lecturer, Kocaeli University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, 1995 - 2000
Research Assistant, Kocaeli University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, 1995 - 1995
Research Assistant, Cornell University, Mühendislik Fakültesi, Elektrik Mühendisliği, 1974 - 1981

Academic and Administrative Experience

Gedik Üniversitesi, 2019 - 2020
Kocaeli University, 2000 - 2012
Kocaeli University, 2007 - 2007
Kocaeli University, 2003 - 2004
Kocaeli University, 1995 - 1997

Courses

Undergraduate

Engineering Mathematics 2, Undergraduate, 2022 - 2023
Engineering Mathematics 1, Undergraduate, 2021 - 2022
Numerical Analysis, Undergraduate, 2021 - 2022

Supervised Theses

NAMIK Y., Kayıpsız optik dalga kılavuzlarında iletilen modların ve metamateryal yüklü kapalı kılavuzlarda geriye doğru dalgaların transmisyon hattı eşdeğerlikleri yöntemi ile incelenmesi, Doctorate, P.KELEBEKLER(Student), 2016
NAMIK Y., Kayıpsız anizotrop kapalı dalga kılavuzlarında geriye doğru dalga modlarının iletim hattı eşdeğerlikleri yöntemi ile incelenmesi, Doctorate, O.DEMİRYÜREK(Student), 2015
NAMIK Y., Jiroelektrik ortamla yüklü kapalı dalga kılavuzlarında yayılma sabitinin cebirsel fonksiyon teorisi yardımıyla incelenmesi, Doctorate, E.KELEBEKLER(Student), 2012
NAMIK Y., Kapalı dalga kılavuzlarında propagasyon sabitlerinin incelenmesinde bazı ilk sonuçlar, Postgraduate, P.KELEBEKLER(Student), 2009
NAMIK Y., Kapalı dalga kılavuzlarında özdeğerlerin transmisyon hattı eşdeğerlikleri ve optimizasyon yöntemleri ile belirlenmesi, Postgraduate, O.DEMİRYÜREK(Student), 2009
NAMIK Y., Kapalı heterojen dalga kılavuzlarında özdeğerlerin cebirlik fonksiyon teorisi yardımıyla incelenmesi, Postgraduate, K.KARAYAHŞI(Student), 2008

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Difference equation–based transient-state and steady-state analysis of flyback converter circuit**
Yener N., YILDIZ A. B.
COMPEL - The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, vol.38, no.1, pp.81-94, 2019 (SCI-Expanded)
- II. **Group Velocity and Backward-Wave Modes in Closed Anisotropic Waveguides**
Demiryurek O., Yener N.
IEEE Transactions on Microwave Theory and Techniques, vol.66, no.9, pp.4002-4006, 2018 (SCI-Expanded)
- III. **Advancement of algebraic function approximation in eigenvalue problems of lossless metallic waveguides to infinite dimensions, part III: Examples verifying the theory**

- Yener N.
Journal of Electromagnetic Waves and Applications, vol.20, no.13, pp.1861-1874, 2006 (SCI-Expanded)
- IV. **Advancement of algebraic function approximation in eigenvalue problems of lossless metallic waveguides to infinite dimensions, part I: Properties of the operator in infinite dimensions**
Yener N.
Journal of Electromagnetic Waves and Applications, vol.20, no.12, pp.1611-1628, 2006 (SCI-Expanded)
- V. **Algebraic function approximation in eigenvalue problems of lossless metallic waveguides: Examples**
Yener N.
Journal of Electromagnetic Waves and Applications, vol.20, no.6, pp.731-745, 2006 (SCI-Expanded)
- VI. **Advancement of algebraic function approximation in eigenvalue problems of lossless metallic waveguides to infinite dimensions, part II: Transfer of results in finite dimensions to infinite dimensions**
Yener N.
PROGRESS IN ELECTROMAGNETICS RESEARCH, vol.65, pp.41-58, 2006 (SCI-Expanded)
- VII. **Algebraic function approximation in eigenvalue problems of lossless metallic waveguides (revisited)**
Yener N.
PROGRESS IN ELECTROMAGNETICS RESEARCH, vol.55, pp.147-174, 2005 (SCI-Expanded)
- VIII. **Application of algebraic function theory to backward wave problems**
Yener N.
Journal of Electromagnetic Waves and Applications, vol.18, no.10, pp.1399-1417, 2004 (SCI-Expanded)
- IX. **On the existence of backward waves in metallic waveguides**
Yener N.
Journal of Electromagnetic Waves and Applications, vol.18, no.6, pp.769-779, 2004 (SCI-Expanded)
- X. **A novel computational method for group velocity in metallic waveguides**
Yener N.
Applied Mathematics and Computation, vol.153, no.3, pp.855-863, 2004 (SCI-Expanded)
- XI. **Necessary and sufficient conditions for the existence of backward waves in metallic waveguides**
Yener N.
Journal of Electromagnetic Waves and Applications, vol.17, no.12, pp.1713-1722, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **On derivatives of eigenvalues, eigenvectors and generalized eigenvectors of matrices**
YENER N.
Hikari, Ltd., vol.17, no.2, pp.64-75, 2023 (Peer-Reviewed Journal)
- II. **Necessary and sufficient conditions for arbitrary linear combinations of solutions of a class of nonlinear partial differential equations to satisfy the differential equation**
YENER N.
Nonlinear Analysis and Differential Equations, vol.9, no.1, pp.15-23, 2021 (Peer-Reviewed Journal)
- III. **A superposition property for a class of nonlinear partial differential equations**
YENER N.
Nonlinear Analysis and Differential Equations, vol.8, no.1, pp.31-39, 2020 (Peer-Reviewed Journal)
- IV. **Superposition conditions for certain classes of nonlinear partial differential equations**
YENER N.
Nonlinear Analysis and Differential Equations, vol.7, no.1, pp.39-51, 2019 (Peer-Reviewed Journal)
- V. **A simple solution for the damped wave equation with a special class of boundary conditions using the laplace transform**
Yener N.
Progress In Electromagnetics Research B, no.33, pp.69-82, 2011 (Scopus)
- VI. **A Novel MoM Approach for Obtaining Accurate and Efficient Solutions in Optical Rib Waveguide**

Yener N., Topuz E.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.10, no.2, pp.399-410, 2002
(Scopus)

Papers Published in Refereed Scientific Meetings

- I. **Motion of a Charge Density and the Speed of Light in Vacuum Revisited**
YENER N.
2023 Photonics and Electromagnetics Research Symposium, PIERS 2023, Prague, Czech Republic, 3 - 06 July 2023, pp.1301-1308
- II. **Motion of a Charge Density, Necessary Magnetic Sources and Solution of Maxwell's Equations including Magnetic Sources by Employing Potentials**
YENER N.
2023 Photonics and Electromagnetics Research Symposium, PIERS 2023, Prague, Czech Republic, 3 - 06 July 2023, pp.1872-1880
- III. **A Stationary Charge Density and Radiation at Infinite Speed of Light**
YENER N.
2023 Photonics and Electromagnetics Research Symposium, PIERS 2023, Prague, Czech Republic, 3 - 06 July 2023, pp.1760-1766
- IV. **Speed of Light in Vacuum in the Case of Arbitrarily Non-uniform Motion of Reference Frames**
YENER N.
2021 Photonics and Electromagnetic Research Symposium (PIERS), Hangzhou, China, Hangzhou, China, 22 November 2021, pp.467-474
- V. **Speed of Light in Vacuum in the Case of Arbitrarily Non-uniform Motion of Reference Frames: Examples**
YENER N.
2021 Photonics and Electromagnetic Research Symposium (PIERS), Hangzhou, China, Hangzhou, China, 22 November 2021, pp.305-312
- VI. **Motion of a Charge Density and the Speed of Light in Vacuum**
YENER N.
2021 Photonics and Electromagnetic Research Symposium (PIERS), Hangzhou, China, Hangzhou, China, 22 November 2021, pp.245-252
- VII. **Speed of Light in Vacuum in the Case of Various Linear and Nonlinear Systems**
YENER N.
Photonics and Electromagnetics Research Symposium, ROMA, Italy, 17 - 20 June 2019, pp.3737-3744
- VIII. **Speed of Light in Vacuum in the Case of a Lumped Electric Circuit**
YENER N.
PIERS 2018 in TOYAMA, JAPAN, 1 - 04 August 2018
- IX. **Speed of light in vacuum revisited**
YENER N.
PIERS 2017 in St Petersburg Russia, 22 - 25 May 2017
- X. **Correction for the non constancy of speed of light in vacuum for different Galilean reference systems**
YENER N.
Progress in Electromagnetic Research Symposium Shanghai 2016, 8 - 11 August 2016
- XI. **Backward Wave Modes of Partially Plasma Column Loaded Cylindrical Waveguide**
YENER N., KELEBEKLER E.
Progress in Electromagnetic Research Symposium Proceedings / Marrakesh Morocco, Marakeş, Morocco, 20 - 23 March 2011, vol.1, pp.1084-1088
- XII. **Determination of eigenvalues of closed lossless guides using the least squares optimization**

technique

DEMİRÜREK O., YENER N.

Progress in Electromagnetic Research Symposium Proceedings / Xi'xxan China, Xi'xxan, BİLİNMEYEN ÜLKELER (DİĞER), 22 - 26 March 2010, vol.1, pp.450-454

- XIII. **A simple method to find the number of branch points of propagation constants of a lossless closed guide without constructing the dispersion curve**

YENER N., KARAYAHŞI K.

Progress in Electromagnetics Research Symposium Moscow Russia, Moskva, Russia, 18 - 21 August 2009, vol.1, pp.1155-1160