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Education Information

Doctorate, Istanbul Technical University, Elektrik Fakültesi / Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Bölümü, Turkey 1981 - Continues

Istanbul Technical University, Elektrik Fakültesi, Elektronik Ve Haberleşme Bölümü, Turkey 1979 - Continues

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

Advising Theses

ŞENGÖR T., Magnetik Rezonans Sürecinin Zaman Domeninde Sonlu Fark Yaklaşımları İle İncelenmesi, Postgraduate, D.Tuncay(Student), 2016

ŞENGÖR T., Güneş enerjisiyle beslemeli büyük ölçekteki merkezi enerji santrallerinin tasarımı, Postgraduate, S.Shahidul(Student), 2016

ŞENGÖR T., Frekansa Bağlı Malzemeyle Dolu Dalgaklavuzlarındaki Süreksizliklerin İncelenmesi, Doctorate, R.Ramiz(Student), 2016

ŞENGÖR T., Hareketli Cisimlerden Elektromagnetik Dalga Saçılmasının FDTD Yöntemiyle Uzaktan Algılamaya Yönelik Olarak Analizi, Postgraduate, F.Tokan(Student), 2016

ŞENGÖR T., Drude Materyali ile Dolu Paralel Levhali Düzlem Dalga Kılavuzlarının İncelenmesi, Postgraduate, O.Gökçe(Student), 2016

ŞENGÖR T., Hareketli Uygun Biyolojik Hedeflerden Saçılan Elektromagnetik Dalgalara İlişkin FDTD Yaklaşımı Yardımıyla Hedefin Davranışının Belirlenmesi, Postgraduate, E.Ermişoğlu(Student), 2016

ŞENGÖR T., Küçük Parçacık Topluluklarından Elektromagnetik Dalga Saçılması, Doctorate, K.Dimililer(Student), 2016

ŞENGÖR T., Elektromagnetik Dalgaların İnsan Başının Anatomik Ayrıntıları ve Çeşitli Bölgeleri Üzerindeki Etkilerinin İncelenmesi, Postgraduate, U.Karaosmanoğlu(Student), 2016

ŞENGÖR T., Empedanslı Silindirik Geometriye Sahip Saçılma Problemlerinde İntegral Gösterilim Yoluyla Kesin Sayısal Çözüm Yaklaşımı, Postgraduate, A.Sağlam(Student), 1999

ŞENGÖR T., Telli Müzik Aletlerinin Fiziksel Modelleriyle Ses Sentezi, Postgraduate, C.Erkurt(Student), 1997

ŞENGÖR T., Silindirik Geometriye Sahip Saçılma Problemlerinde İntegral Gösterilim Yoluyla Kesin Sayısal Çözüm Yaklaşımı, Postgraduate, K.Kalaycıoğlu(Student), 1997

ŞENGÖR T., Açıklık Antenlerin ışıma Karakteristiklerinde İntegral Gösterilim Yoluyla Kesin Sayısal Çözüm Yaklaşımı, Postgraduate, H.Paşa(Student), 1995

ŞENGÖR T., Asansör Kumanda ve Kontrol Sistemleri, Postgraduate, M.Ghafari(Student), 1992

Published journal articles indexed by SCI, SSCI, and AHCI

1. Topological theory and analytical configuration for a universal community model
ŞENGÖR T.

ELSEVIER, Procedia - Social and Behavioral Sciences, vol.81, 2013 (SCI-Expanded)

II. Contribution of inflection points to waves

Sengor T.

ELECTRONICS LETTERS, vol.35, no.19, pp.1593-1594, 1999 (SCI-Expanded)

III. Contribution of inflection points to field

Sengor T.

ELECTRONICS LETTERS, vol.34, no.16, pp.1571-1573, 1998 (SCI-Expanded)

IV. HIGH-FREQUENCY SURFACE CURRENTS INDUCED ON A SPHERICAL CAP

IDEMEN M., SENGOR T.

SIAM JOURNAL ON APPLIED MATHEMATICS, vol.46, no.1, pp.99-117, 1986 (SCI-Expanded)

Books & Book Chapters

I. Cross section of perfectly conducting bodies by surface currents

ŞENGÖR T.

Helsinki University Of Technology, Electromagnetics Lab., 2001

II. On the electromagnetically equivalent modeling of the physical earthquakes on any planet

ŞENGÖR T.

Helsinki University Of Technology, 2001

III. On the exact interaction mechanism of electromagnetically generated phenomena with significant earthquakes and the observations related the exact predictions before the significant earthquakes at July 1999- May 2000 period

ŞENGÖR T.

Helsinki University Of Technology, 2001

IV. Surface current approach to inverse scattering and scattering by spherical sheet

ŞENGÖR T.

Helsinki University Of Technology, 2001

V. Diffraction of creeping waves and induced surface currents on a spherical cap with impedance

ŞENGÖR T.

Helsinki University Of Technology, 2001

VI. High frequency scattering of waves by a spherical cap having any face impedances

ŞENGÖR T.

Helsinki University Of Technology, 2001

Refereed Congress / Symposium Publications in Proceedings

I. The Compact Processes Effectively Using of Solar Energy in Long Time Schedules

ŞENGÖR T.

ERASMUS Intensive Programme Project, ERASMUS IP: 2013-1-TR1-ERA10-48722, 01 September 2013

II. Cylindrically Shaped Apertures and Guidance of Waves by Using Hankel Transformation and the Exact Approach Technique

ŞENGÖR T.

Progress In Electromagnetics Research Symposium, PIERS 2013 Stockholm, 01 August 2013, pp.564

III. The State Space Model for Atomic Interactions

ŞENGÖR T.

Progress In Electromagnetics Research Symposium, PIERS 2013 Stockholm, 01 August 2013, pp.1260

IV. Topological Theory and Analytical Configuration of Universal Community

ŞENGÖR T.

World Congress of Administrative and Political Sciences, 29 Nov - 2 Dec 2012, Kemer, Antalya, Türkiye, 01

November 2012

- V. **The Electromagnetic Inverse State Equivalent for the Dynamics of Brain**
ŞENGÖR T.
3rd International Workshop on Statistical Mechanics and Dynamical Systems, 01 September 2012
- VI. **Topological Scattering Model for Unified Particle Interactions**
ŞENGÖR T.
International Summer School and Conference on High Energy Physic: Standard Model and Beyond, Belek, Antalya, Turkey, 28 Aug - 8 Sep 2012, 01 September 2012
- VII. **The Interaction of Electromagnetic Waves from Sheets of Spherical Nano-Elements Meshed on Concentric Spherical Shells**
ŞENGÖR T.
32nd Progress in Electromagnetics Research Symposium, PIERS2012, 19-23 August 2012, Moscow, Russia, 01 August 2012
- VIII. **Quantum Electrodynamical Interaction Mechanisms in Simple Atoms**
ŞENGÖR T.
32nd Progress in Electromagnetics Research Symposium, PIERS2012, 19-23 August 2012, Moscow, Russia, 01 August 2012
- IX. **Inflective Nano-Antenna**
ŞENGÖR T.
32nd Progress in Electromagnetics Research Symposium, PIERS2012, 19-23 August 2012, Moscow, Russia, 01 August 2012
- X. **Gold Nanoparticles Chain Waveguide with Enhanced Transmission Method and Spectral Coding**
ŞENGÖR T., Çınar C.
32nd Progress in Electromagnetics Research Symposium, PIERS2012, 19-23 August 2012, Moscow, Russia, 01 August 2012
- XI. **Bio-Electrodynamic Equivalent Model Of Human Brain Activity**
ŞENGÖR T.
International Summer School and Workshop on Brain Dynamics, Institute of Theoretical and Applied Physics (ITAP), 23-28 July 2012, Marmaris, Türkiye, 01 July 2012
- XII. **Inflective Nano Guiding of Waves in Atomic Structures**
ŞENGÖR T.
9th International Conference on Nanosciences & Nanotechnologies, NN12, 3-6 July 2012; Thessaloniki, Greece, 01 July 2012
- XIII. **Chlorophyll Based Organic Dye Structures for Alternate Energy Supplies**
ŞENGÖR T.
5th International Symposium on Flexible Organic Electronics (ISFOE12), 01 July 2012
- XIV. **Photovoltaic System with Maximum Power Point Tracking Control and a Generalized Model of Grid Connected PV System**
ŞENGÖR T., Shahidul S.
10th International Conference on Sustainable Energy Technologies, 01 September 2011
- XV. **Properties of Inflective Nano Wires**
ŞENGÖR T.
XXXth General Assembly and Scientific Symposium of International Union of Radio Science, 01 August 2011
- XVI. **Electromagnetically Equivalent Dynamic Model of Seismic and Atmospheric and Ionospheric Conjoined Network of Turkey: the State Space Approach**
ŞENGÖR T.
XXXth General Assembly and Scientific Symposium of International Union of Radio Science, URSI GASS 2011, 01 August 2011
- XVII. **A Model of Photovoltaic System with Maximum Power Point Tracking Control and the Observation of the Effects of Environmental Parameters with the Application at Batman City in Turkey**
ŞENGÖR T., Shahidul S.

XXXth General Assembly and Scientific Symposium of International Union of Radio Science, 01 August 2011

- XVIII. **Inflective Structures on the Orbits of Electron Sharing Molecules with the Stochastic Discontinuity Effects: the Definition of Orbitron Mechanism**
ŞENGÖR T.
7th Nanoscience and Nanotechnology Conference, 01 June 2011
- XIX. **Analytical Theory of effective Global Cloaking: designing the Spherical EM Cloaking Nano-Element**
ŞENGÖR T.
NATO Advanced Research Workshop, META'10, International Conference on Metamaterials, Photonic Crystals and Plasmonics, 01 February 2010
- XX. **The Exact Bio-electromagnetic Equivalent Model of Human Head**
ŞENGÖR T.
01 April 2000, pp.322
- XXI. **Topological Inversion**
ŞENGÖR T.
SPIE- The International Society for Optical Engineering, USA, pp.283-294
- XXII. **Principle for possible memory structures with extra high density by using the electron sharing mechanisms of atoms in an inflective orbit**
ŞENGÖR T.

Other Publications

- I. **Possibilities to extend electromagnetism for non-smooth and non-uniformly vibrating media cases**
ŞENGÖR T.
Other, 2001
- II. **Waves near inflection points**
ŞENGÖR T.
Other, 2001
- III. **Static field near inflection points**
ŞENGÖR T.
Other, 2001
- IV. **Surface Currents Induced on a Spherical Reflector**
ŞENGÖR T.
Other, 1983
- V. **A New Method for the Analysis of Strip Systems**
ŞENGÖR T.
Other, 1

Supported Projects

ŞENGÖR T., Project Supported by Higher Education Institutions, Süreksizlik İçeren Dispersif Dalga Klavuzlarının Modellenmesi: Analiz ve Tasarımı, 1999 - 2004

ŞENGÖR T., TUBITAK Project, Dairesel Açıklık Anten Konfigürasyonları ile Yan Kulak Etkilerinin Azaltılması, 1993 - 1996

Scientific Refereeing

2013 International Conference on Emerging Technologies held in Islamabad, Pakistan on December 9-10, 2013 under IEEE Islamabad Section, Pakistan, SCI Journal, October 2013

ELECO 2013, National Scientific Refreed Journal, September 2013

Edu Journals, Johns Hopkins University Press, SCI Journal, May 2013

ELECO 2012, National Scientific Refreed Journal, September 2012

8th IEEE ICET-2012 conference held in Islamabad, Pakistan on October 8-9, 2012 under IEEE Islamabad Section, SCI Journal, July 2012

8th IEEE ICET-2012 conference held in Islamabad, Pakistan on October 8-9, 2012 under IEEE Islamabad Section, SCI Journal, July 2012

TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES/editörlük, National Scientific Refreed Journal, November 2011

TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES/A Convergence Analysis of Acoustic Echo Canceller with Blind Signal Separation, National Scientific Refreed Journal, October 2011

Plasma Science/Collective excitations of finite-temperature nano plasmas, SCI Journal, October 2011

Metrics

Publication: 40

Citation (WoS): 10

Citation (Scopus): 15

H-Index (WoS): 3

H-Index (Scopus): 3

Non Academic Experience

TC Deniz KK, Deniz Harp Okulu