

Prof. Dr. EROL KURT

Kişisel Bilgiler

E-posta: ekurt@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/ekurt>

Uluslararası Araştırmacı ID'leri

ScholarID: n8vZhMsAAAAJ

ORCID: 0000-0002-3615-6926

Publons / Web Of Science ResearcherID: K-2015-2012

ScopusID: 7006207315

Yoksis Araştırmacı ID: 13410

Biyografi

Prof. Dr. Erol KURT took his M. Sc. degree from the Inst. Science & Technology, Gazi University in Ankara, Turkey in 2001. He was awarded by an European Graduate College Grant during his Ph. D study at the Inst. Physics & Math., Bayreuth University in Germany. He completed his Ph. D. degree in 2004 on the instabilities of rotating magnetic fluids and worked at Turkish Atomic Energy Authority R&D Department for 3 years. He was assigned to the position of Assoc. Prof. at Technology Faculty, Gazi University. His main research areas include nonlinear phenomena in electrical/electronic circuits, electric machine design, mechanical vibrations, chaos, plasmas and magneto hydrodynamics. He is founder chairman to serial conferences, namely European Conference on Renewable Energy Systems (ECRES), Interdisciplinary Conference on Mechanics, Computers and Electrics (ICMECE) and the guest editor for some reputable journals. He is the Owner and Editor-in-Chief to Journal of Energy Systems (dergipark.org.tr/jes) and the member of Turkish Science Research Foundation (TUBAV).

Eğitim Bilgileri

Doktora, Universitaet Bayreuth, Physik und Mathematik, Almanya 2001 - 2004

Yüksek Lisans, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Türkiye 1998 - 2001

Lisans, Gazi Üniversitesi, Gazi Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Türkiye 1994 - 1998

Yabancı Diller

İngilizce, C1 İleri

Almanca, A2 Temel

Yaptığı Tezler

Doktora, Patern formation in rotating fluid systems under the influence of magnetic fields, Universitat Bayreuth, Fizik, 2004

Yüksek Lisans, Fe-8.62Mn-5.52Cu alaşımında austenite-martensite faz dönüşümünün kristalografik ve kinetik özellikleri, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, 2001

Araştırma Alanları

Elektromanyetik, MEMS, Gazlar, Plazmalar ve Elektriksel Boşalmalar Fiziği, Nükleer mühendislik ve nükleer enerji çalışmaları

Akademik Unvanlar / Görevler

Prof. Dr., Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2013 - Devam Ediyor

Doç. Dr., Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2011 - 2013

Araştırma Görevlisi, Universitaet Bayreuth, Faculty Of Physics And Informatics, Physics, 2001 - 2004

Araştırma Görevlisi, Gazi Üniversitesi, Fen Fakültesi, Fizik, 1999 - 2001

Akademik İdari Deneyim

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2019 - Devam Ediyor

Erasmus Koordinatörü, Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2019 - 2021

Birim Kalite Komisyonu Üyesi, Gazi Üniversitesi, 2019 - 2019

Bölüm Başkan Yardımcısı, Gazi Üniversitesi, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, 2011 - 2012

Verdiği Dersler

Elektromanyetik Alanların Bilgisayar Destekli Analizi, Doktora, 2017 - 2018

ELEKTROMANYETİK ALAN TEORİSİ, Lisans, 2017 - 2018, 2016 - 2017

Mezuniyet Tezi, Lisans, 2016 - 2017

Elektrik Devrelerinde Kaos, Yüksek Lisans, 2016 - 2017

Yönetilen Tezler

Kurt E., BİR PİEZOELEKTRİK RÜZGÂR ENERJİSİ HASATÇISI TASARIMI VE UYGULAMASI, Yüksek Lisans, A.CEM(Öğrenci), 2021

Kurt E., ÇOKLU FREKANSLI HİBRİT ENERJİ HARMANLAYICI TASARIMI VE UYGULAMASI, Doktora, K.ÇELİK(Öğrenci), 2021

Kurt E., YENİ BİR MAGNETRON TASARIMI VE UYGULAMASI, Yüksek Lisans, Y.YILDIZ(Öğrenci), 2021

İLBAŞ M., KURT E., Üç fazlı sürekli mıknatıslı bir jeneratörde ısı transferinin sayısal ve deneysel olarak araştırılması, Doktora, M.DEMİRCİ(Öğrenci), 2020

KURT E., Yeni bir yoğunlaştırıcı güneş enerjisi sistemi tasarımı ve stirling motor ve jeneratör birimlerinin uygulaması, Doktora, S.ALARABIA(Öğrenci), 2019

KURT E., Yeni bir piezoelektrik rüzgar enerjisi hasatçısı tasarımı ve uygulaması, Doktora, D.ÖZHAN(Öğrenci), 2019

KURT E., Güvenli veri iletimi için değiştirilmiş chua devresi yardımıyla tasarlanan renkli görüntü şifreleme sistemi uygulaması, Yüksek Lisans, B.ARPACI(Öğrenci), 2019

KURT E., Bir direnç-iki bobin-iki diyotlu kaotik devre aracılığıyla güvenli imge iletişiminin araştırılması, Doktora, K.MOHAMED(Öğrenci), 2018

KURT E., R2L2D devresinde kaos, eşzamanlılık ve güvenli haberleşmenin araştırılması, Yüksek Lisans, C.BİNGÖL(Öğrenci), 2016

KURT E., Rotoru nüveli, eksenel ve radyal akıli, kalıcı mıknatıslı yeni bir jeneratör tasarımı, Yüksek Lisans, U.DÖNER(Öğrenci), 2016

KURT E., Durağan elektrostatik hapsedme füzyon reaktörü tasarımı ve iyon davranışlarının belirlenmesi, Yüksek Lisans, B.DURSUN(Öğrenci), 2014

KURT E., Eksenel akıllı jeneratörlerin tasarımı ve uygulaması, Doktora, H.GÖR(Öğrenci), 2014

KURT E., Periyodik manyetik alanlar etkisinde doğrusal olmayan titreşimlerden elektrik enerjisi üretimi, Doktora, Y.UZUN(Öğrenci), 2012

Jüri Üyelikleri

Doçentlik Sınavı, Doçentlik Sınavı, Gazi Üniversitesi, Kasım, 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Computational Modeling of a 2D Vanadium Redox Flow Battery Cell**
Martinez Lopez J., Aramendia I., Fernandez-Gamiz U., Sanchez-Diez E., Beloki A., KURT E., Lopez-Guede J. M.
JOM, cilt.76, sa.1, ss.130-140, 2024 (SCI-Expanded)
- II. **A wide-band electromagnetic energy harvester**
KURT E., Issimova A., Medetov B.
Energy, cilt.277, 2023 (SCI-Expanded)
- III. **2D PIV/PTV-3D uRANS RSM Investigation on the Combined Effect of Iron Filings Filtering Techniques in a Backward Facing Step Flow**
Villén I., Teso D., Martínez-Filgueira P., Fernandez-Gámiz U., Márquez G., Lopez-Guede J. M., KURT E.
JOM, cilt.75, sa.3, ss.759-779, 2023 (SCI-Expanded)
- IV. **Design and Implementation of a MHz Frequency Transformer with a Ferromagnetic Fluid Core**
KURT E., Hatem S.
Sustainability (Switzerland), cilt.15, sa.1, 2023 (SCI-Expanded)
- V. **Feasibility analysis of solar photovoltaics for the feeding of cooling pump of a natural gas power plant**
Terzi R., KURT E.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART A-JOURNAL OF POWER AND ENERGY, cilt.236, sa.8, ss.1650-1659, 2022 (SCI-Expanded)
- VI. **Design and implementation of a X Band 9 GHz cavity magnetron for microwave applications**
KURT E., Yildiz Y.
MEASUREMENT, cilt.202, 2022 (SCI-Expanded)
- VII. **Numerical analyses of the concentrated solar receiver pipes with superheated steam**
KURT E., Demirci M., Sahin H. M.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART A-JOURNAL OF POWER AND ENERGY, cilt.236, sa.5, ss.893-910, 2022 (SCI-Expanded)
- VIII. **Design and implementation of a bioinspired leaf shaped hybrid rectenna as a green energy manufacturing concept**
Çelik K., Kurt E.
Turkish Journal of Electrical Engineering and Computer Sciences, cilt.30, sa.5, ss.1995-2012, 2022 (SCI-Expanded)
- IX. **A New Artificial Neural Network Model for the Output Voltage and Power Predictions of Permanent Magnet Generators with Variable Air Gaps**
Tekerek A., Kurt E., Tekerek M.
Electric Power Components and Systems, cilt.50, sa.19-20, ss.1131-1142, 2022 (SCI-Expanded)
- X. **Artificial neural network analysis on an axial flux permanent magnet generator having variable air gap and power regime**
TEKEREK A., KURT E.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, cilt.46, sa.4, 2021 (SCI-Expanded)
- XI. **Estimating State of Charge and State of Health of Vented NiCd Batteries with Evolution of Electrochemical Parameters**

Olarte J., Martinez de Ilarduya J., Zulueta E., Ferret R., KURT E., Manuel Lopez-Guede J.

JOM, cilt.73, sa.12, ss.4085-4090, 2021 (SCI-Expanded)

- XII. **Design and implementation of a dual band bioinspired leaf rectenna for RF energy harvesting applications**
ÇELİK K., KURT E.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.31, sa.11, 2021 (SCI-Expanded)
- XIII. **Optimization of a 3-kW axial flux permanent magnet generator with variable air gap**
KURT E., GÖR H., ÇELİK K.
INTERNATIONAL TRANSACTIONS ON ELECTRICAL ENERGY SYSTEMS, cilt.31, sa.11, 2021 (SCI-Expanded)
- XIV. **Design and Implementation of a Maximum Power Point Tracking System for a Piezoelectric Wind Energy Harvester Generating High Harmonicity**
KURT E., ÖZHAN D., Bizon N., Manuel Lopez-Guede J.
SUSTAINABILITY, cilt.13, sa.14, 2021 (SCI-Expanded)
- XV. **High Temperature VLRA Lead Acid Battery SOH Characterization Based on the Evolution of Open Circuit Voltage at Different States of Charge**
Olarte J., Martinez de Ilarduya J., Zulueta E., Ferret R., KURT E., Lopez-Guede J. M.
JOM, cilt.73, sa.5, ss.1251-1260, 2021 (SCI-Expanded)
- XVI. **A new algorithm for the colored image encryption via the modified Chua's circuit**
Arpaci B., KURT E., ÇELİK K.
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, cilt.23, sa.3, ss.595-604, 2020 (SCI-Expanded)
- XVII. **Colored Image Encryption and Decryption with a New Algorithm and a Hyperchaotic Electrical Circuit**
Arpaci B., Kurt E., Çelik K., Cıylan B.
JOURNAL OF ELECTRICAL ENGINEERING & TECHNOLOGY, cilt.15, sa.3, ss.1413-1429, 2020 (SCI-Expanded)
- XVIII. **Wind turbine speed control of a contactless piezoelectric wind energy harvester**
Celik E., KURT E., ÖZTÜRK N.
INTERNATIONAL JOURNAL OF ELECTRONICS, cilt.107, sa.2, ss.226-238, 2020 (SCI-Expanded)
- XIX. **Effects of Aging and Environmental Factors on Performance of CdTe and CIS Thin-Film Photovoltaic Modules**
DEMİRTAŞ M., Tamyurek B., KURT E., ÇETİNBİŞ İ., Ozturk M. K.
JOURNAL OF ELECTRONIC MATERIALS, cilt.48, sa.11, 2019 (SCI-Expanded)
- XX. **Preface: special issue on Advances in Energy Explorations**
KURT E., Gömeç Ç., Kabdaşlı N. I.
ENVIRONMENTAL TECHNOLOGY, cilt.41, sa.1, ss.1, 2019 (SCI-Expanded)
- XXI. **Better Fuel Economy by Optimizing Airflow of the Fuel Cell Hybrid Power Systems Using Fuel Flow-Based Load-Following Control**
Bizon N., Mazare A. G., Ionescu L. M., Thounthong P., KURT E., Oproescu M., Serban G., Lita I.
ENERGIES, cilt.12, sa.14, 2019 (SCI-Expanded)
- XXII. **Exploration of a Stirling engine and generator combination for air and helium media**
Shufat S. A., KURT E., ÇINAR C., AKSOY F., HANÇERLİOĞULLARI A., SOLMAZ H.
APPLIED THERMAL ENGINEERING, cilt.150, ss.738-749, 2019 (SCI-Expanded)
- XXIII. **A novel meander line integrated E-shaped rectenna for energy harvesting applications**
ÇELİK K., KURT E.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.29, sa.1, 2019 (SCI-Expanded)
- XXIV. **Hydrogen economy of the fuel cell hybrid power system optimized by air flow control to mitigate the effect of the uncertainty about available renewable power and load dynamics**
Bizon N., Manuel Lopez-Guede J., KURT E., Thounthong P., Mazare A. G., Ionescu L. M., Iana G.
ENERGY CONVERSION AND MANAGEMENT, cilt.179, ss.152-165, 2019 (SCI-Expanded)

- XXV. **Air Flow Real-time Optimization Strategy for Fuel Cell Hybrid Power Sources with Fuel Flow Based on Load-following**
Bizon N., Iana G., KURT E., Thounthong P., Oproescu M., Culcer M., Iliescu M.
FUEL CELLS, cilt.18, sa.6, ss.809-823, 2018 (SCI-Expanded)
- XXVI. **Exploration of a Permanent Magnet Synchronous Generator with Compensated Reactance Windings in Parallel Rod Configuration**
Lyan O., Jankunas V., Guseinoviene E., Pasilis A., Senulis A., Knolis A., KURT E.
JOURNAL OF ELECTRONIC MATERIALS, cilt.47, sa.8, ss.4437-4443, 2018 (SCI-Expanded)
- XXVII. **Neural Modeling of Fuzzy Controllers for Maximum Power Point Tracking in Photovoltaic Energy Systems**
Manuel Lopez-Guede J., Ramos-Hernanz J., ALTIN N., ÖZDEMİR Ş., KURT E., Azkune G.
JOURNAL OF ELECTRONIC MATERIALS, cilt.47, sa.8, ss.4519-4532, 2018 (SCI-Expanded)
- XXVIII. **A Neural Network Design for the Estimation of Nonlinear Behavior of a Magnetically-Excited Piezoelectric Harvester**
Celik E., UZUN Y., KURT E., ÖZTÜRK N., TOPALOĞLU N.
JOURNAL OF ELECTRONIC MATERIALS, cilt.47, sa.8, ss.4412-4420, 2018 (SCI-Expanded)
- XXIX. **Analytical and experimental studies on a new linear energy harvester**
KURT E., KALE M., Akbaba S., Bizon N.
CANADIAN JOURNAL OF PHYSICS, cilt.96, sa.7, ss.727-733, 2018 (SCI-Expanded)
- XXX. **Mitigation of high harmonicity and design of a battery charger for a new piezoelectric wind energy harvester**
Bouzelata Y., KURT E., UZUN Y., Chenni R.
SENSORS AND ACTUATORS A-PHYSICAL, cilt.273, ss.72-83, 2018 (SCI-Expanded)
- XXXI. **Contributions of Bottom-Up Energy Transitions in Germany: A Case Study Analysis**
Akizu O., Bueno G., Barcena I., KURT E., TOPALOĞLU N., Manuel Lopez-Guede J.
ENERGIES, cilt.11, sa.4, 2018 (SCI-Expanded)
- XXXII. **Effects of Back Iron Components on Efficiency and Generated Power for New Wind Energy Generators**
GÖR H., KURT E.
ELECTRIC POWER COMPONENTS AND SYSTEMS, cilt.46, sa.10, ss.1103-1120, 2018 (SCI-Expanded)
- XXXIII. **Application of artificial neural network to estimate power generation and efficiency of a new axial flux permanent magnet synchronous generator**
Celik E., Gor H., ÖZTÜRK N., KURT E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, sa.28, ss.17692-17699, 2017 (SCI-Expanded)
- XXXIV. **Experimental and Theoretical Explorations on the Buckling Piezoelectric Layer Under Magnetic Excitation**
ÇELİK K., KURT E., UZUN Y.
JOURNAL OF ELECTRONIC MATERIALS, cilt.46, sa.7, ss.4003-4016, 2017 (SCI-Expanded)
- XXXV. **Power control optimization of a new contactless piezoelectric harvester**
Zulueta E., KURT E., UZUN Y., Manuel Lopez-Guede J.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, sa.28, ss.18134-18144, 2017 (SCI-Expanded)
- XXXVI. **Performance analysis of the tracking of the global extreme on multimodal patterns using the Asymptotic Perturbed Extremum Seeking Control scheme**
Bizon N., KURT E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, sa.28, ss.17645-17654, 2017 (SCI-Expanded)
- XXXVII. **Energy distributions and radiation emissions in an inertial electrostatic confinement (IEC) device under low and moderate magnetic fields**
DURSUN B., KURT E., Kurt H.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, sa.28, ss.17874-17885, 2017 (SCI-Expanded)
- XXXVIII. **Design and implementation of a new contactless triple piezoelectrics wind energy harvester**
KURT E., Cottone F., UZUN Y., Orfei F., Mattarelli M., ÖZHAN D.

- INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, sa.28, ss.17813-17822, 2017 (SCI-Expanded)
- XXXIX. **An inverter design for a new permanent magnet synchronous generator**
GÜLER N., IRMAK E., GÖR H., KURT E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, sa.28, ss.17723-17732, 2017 (SCI-Expanded)
- XL. **Preface to the special issue on "The 4th European Conference on Renewable Energy Systems (ECRES 2016), 28-31 August 2016, Istanbul, Turkey"**
KURT E., BIZON N., ALTIN N., AKIN B.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, sa.28, ss.17559-17560, 2017 (SCI-Expanded)
- XLI. **Energy Harvesting and Energy Efficiency Technology, Methods, and Applications Preface**
BIZON N., TABATABAEI N. M., BLAABJERG F., KURT E.
ENERGY HARVESTING AND ENERGY EFFICIENCY: TECHNOLOGY, METHODS, AND APPLICATIONS, cilt.37, 2017 (SCI-Expanded)
- XLII. **Nonlinear Problems in Piezoelectric Harvesters Under Magnetic Field**
KURT E., UZUN Y.
ENERGY HARVESTING AND ENERGY EFFICIENCY: TECHNOLOGY, METHODS, AND APPLICATIONS, cilt.37, ss.107-142, 2017 (SCI-Expanded)
- XLIII. **Exploration of optimal design and performance of a hybrid wind-solar energy system**
BOUZELATA Y., ALTIN N., CHENNI R., KURT E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, sa.29, ss.12497-12511, 2016 (SCI-Expanded)
- XLIV. **Many-body solution to the D-2 gas filled inertial electrostatic confinement device**
DURSUN B., KURT E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, sa.29, ss.12546-12554, 2016 (SCI-Expanded)
- XLV. **Exploration of the Chaotic Behaviour in a Buck-Boost Converter Depending on the Converter and Load Elements**
DEMİRBAŞ Ş., FİDANBOY H., KURT E.
JOURNAL OF ELECTRONIC MATERIALS, cilt.45, sa.8, ss.3889-3899, 2016 (SCI-Expanded)
- XLVI. **Preface to the special issue on "3rd European Conference on Renewable Energy Systems (ECRES' 2015), 7-10 October 2015, Kerner, Antalya, Turkey"**
KURT E., SEFA İ.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, sa.29, ss.12441-12442, 2016 (SCI-Expanded)
- XLVII. **Design and control of a stand-alone hybrid power system**
MADACI B., CHENNI R., KURT E., HEMSAS K. E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, sa.29, ss.12485-12496, 2016 (SCI-Expanded)
- XLVIII. **Energy and exergy analyses of a VVER type nuclear power plant**
TERZI R., TUKENMEZ İ., KURT E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, sa.29, ss.12465-12476, 2016 (SCI-Expanded)
- XLIX. **Theoretical and Experimental Exploration of Breakdown Phenomena in an Argon-Filled GaP Device**
KURT H. H., TANRIVERDİ E., KURT E.
JOURNAL OF ELECTRONIC MATERIALS, cilt.45, sa.8, ss.3970-3977, 2016 (SCI-Expanded)
- L. **Waveform characteristics and losses of a new double sided axial and radial flux generator**
GÖR H., KURT E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, sa.29, ss.12512-12524, 2016 (SCI-Expanded)
- LI. **Particle Trajectories and Energy Distribution from a New IEC Fusion Device: A Many-Body Approach**
KURT E., DURSUN B.
JOURNAL OF FUSION ENERGY, cilt.35, sa.3, ss.483-492, 2016 (SCI-Expanded)
- LII. **Electromagnetic design of a new axial and radial flux generator with the rotor back-irons**
KURT E., GÖR H., DONER U.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, sa.17, ss.7019-7026, 2016 (SCI-Expanded)
- LIIL. **Preliminary studies of a new permanent magnet generator (PMG) with the axial and radial flux morphology**
GÖR H., KURT E.

- INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, sa.17, ss.7005-7018, 2016 (SCI-Expanded)
- LIV. **Estimation of mechanical properties of welded S355J2+N steel via the artificial neural network**
ATEŞ H., Dursun B., KURT E.
SCIENTIA IRANICA, cilt.23, sa.2, ss.609-617, 2016 (SCI-Expanded)
- LV. **Design and simulation of a unified power quality conditioner fed by solar energy**
Bouzelata Y., KURT E., Chenni R., ALTIN N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.40, sa.44, ss.15267-15277, 2015 (SCI-Expanded)
- LVI. **Influence of void fraction on BWR spent fuel direct recycling scenario**
Waris A., Su'ud Z., Sahin H. M., KURT E., ŞAHİN S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.40, sa.44, ss.15172-15178, 2015 (SCI-Expanded)
- LVII. **Explorations of displacement and velocity nonlinearities and their effects to power of a magnetically-excited piezoelectric pendulum**
UZUN Y., KURT E., KURT H. H.
SENSORS AND ACTUATORS A-PHYSICAL, cilt.224, ss.119-130, 2015 (SCI-Expanded)
- LVIII. **Design and simulation of a solar supplied multifunctional active power filter and a comparative study on the current-detection algorithms**
Bouzelata Y., KURT E., ALTIN N., Chenni R.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.43, ss.1114-1126, 2015 (SCI-Expanded)
- LIX. **Bifurcation analysis of a resistor-double inductor and double diode circuit and a comparison with a resistor-inductor-diode circuit in phase space and parametrical responses**
Kurt E., Ciylan B., Taskan O. O., Kurt H. H.
SCIENTIA IRANICA, cilt.21, sa.3, ss.935-944, 2014 (SCI-Expanded)
- LX. **The Observations of the IR Sensitivity Enhancement, Negative Differential Resistance and Hysteresis in a Microelectronic Gas Discharge Device with GaP**
Kurt H. H., Kurt E.
ELEKTRONIKA IR ELEKTROTECHNIKA, sa.1, ss.55-58, 2014 (SCI-Expanded)
- LXI. **Implementation of a New Contactless Piezoelectric Wind Energy Harvester to a Wireless Weather Station**
Uzun Y., DEMİRBAŞ Ş., KURT E.
ELEKTRONIKA IR ELEKTROTECHNIKA, cilt.20, sa.10, ss.35-39, 2014 (SCI-Expanded)
- LXII. **Electromagnetic Design and Simulation of a New Fusion Device**
Dursun B., KURT E.
ELEKTRONIKA IR ELEKTROTECHNIKA, cilt.20, sa.8, ss.34-38, 2014 (SCI-Expanded)
- LXIII. **Theoretical and experimental analyses of a single phase permanent magnet generator (PMG) with multiple cores having axial and radial directed fluxes**
KURT E., GÖR H., DEMİRTAŞ M.
ENERGY CONVERSION AND MANAGEMENT, cilt.77, ss.163-172, 2014 (SCI-Expanded)
- LXIV. **Performance exploration of an energy harvester near the varying magnetic field of an operating induction motor**
Uzun Y., KURT E.
ENERGY CONVERSION AND MANAGEMENT, cilt.72, ss.156-162, 2013 (SCI-Expanded)
- LXV. **The effect of periodic magnetic force on a piezoelectric energy harvester**
Uzun Y., KURT E.
SENSORS AND ACTUATORS A-PHYSICAL, cilt.192, ss.58-68, 2013 (SCI-Expanded)
- LXVI. **An inertial electrostatic confinement (IEC) device modeling and the effects of different cathode structures to the fields**
KURT E., Arslan S.
ENERGY CONVERSION AND MANAGEMENT, cilt.63, ss.55-62, 2012 (SCI-Expanded)
- LXVII. **Effects of Grid Structures and Dielectric Materials of the Holder in an Inertial Electrostatic Confinement (IEC) Fusion Device**
KURT E., Arslan S., Guven M. E.

- JOURNAL OF FUSION ENERGY, cilt.30, sa.5, ss.404-412, 2011 (SCI-Expanded)
- LXXVIII. **A stationary multi-component cathode modeling and ion trajectories for an inertial electrostatic confinement fusion device**
KURT E.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.35, sa.2, ss.89-95, 2011 (SCI-Expanded)
- LXIX. **Alternative numerical modeling of a superconducting charge qubit as an eigenvalue problem**
Canturk M., KURT E., Askerzade I. N.
COMPEL-THE INTERNATIONAL JOURNAL FOR COMPUTATION AND MATHEMATICS IN ELECTRICAL AND ELECTRONIC ENGINEERING, cilt.30, sa.2, ss.775-792, 2011 (SCI-Expanded)
- LXX. **BIFURCATIONS AND HYPERCHAOS FROM A DC DRIVEN NONIDENTICAL JOSEPHSON JUNCTION SYSTEM**
KURT E., Canturk M.
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, cilt.20, sa.11, ss.3725-3740, 2010 (SCI-Expanded)
- LXXI. **Preliminary plasma focus studies at ODAK-3K device using track detectors**
Akgun Y., Bolukdemir A. S., KURT E., Oncu T., Alacakir A.
PLASMA DEVICES AND OPERATIONS, cilt.17, sa.4, ss.293-300, 2009 (SCI-Expanded)
- LXXII. **Chaotic dynamics of resistively coupled DC-driven distinct Josephson junctions and the effects of circuit parameters**
KURT E., Canturk M.
PHYSICA D-NONLINEAR PHENOMENA, cilt.238, sa.22, ss.2229-2237, 2009 (SCI-Expanded)
- LXXIII. **Ionization effects and linear stability in a coaxial plasma device**
KURT E., Kurt H. H., Bayhan U.
CENTRAL EUROPEAN JOURNAL OF PHYSICS, cilt.7, sa.1, ss.123-129, 2009 (SCI-Expanded)
- LXXIV. **Phase-dependent characteristics of a superconducting junction by using the Schrodinger wave function**
Canturk M., KURT E.
PHYSICA SCRIPTA, cilt.76, sa.6, ss.634-640, 2007 (SCI-Expanded)
- LXXV. **Pattern formation in the rotating cylindrical annulus with an azimuthal magnetic field at low prandtl numbers**
KURT E., Pesch W., Busse F. H.
JOURNAL OF VIBRATION AND CONTROL, cilt.13, ss.1321-1330, 2007 (SCI-Expanded)
- LXXVI. **Lyapunov exponent as an indicator of phase transition in melting Pd-13 clusters**
KURT E., Boyukata M., Guvenc Z. B.
PHYSICA SCRIPTA, cilt.74, sa.3, ss.353-361, 2006 (SCI-Expanded)
- LXXVII. **Nonlinearities from a non-autonomous chaotic circuit with a non-autonomous model of Chua's diode**
KURT E.
PHYSICA SCRIPTA, cilt.74, sa.1, ss.22-27, 2006 (SCI-Expanded)
- LXXVIII. **Nonlinear responses of a magnetoelastic beam in a step-pulsed magnetic field**
KURT E.
NONLINEAR DYNAMICS, cilt.45, ss.171-182, 2006 (SCI-Expanded)
- LXXIX. **Identification of the dynamics of plasma-induced damage in a CuInSe₂ thin film by fractal processing**
Kurt H. H., Kurt E., Salamov B. G.
CRYSTAL RESEARCH AND TECHNOLOGY, sa.7, ss.698-707, 2006 (SCI-Expanded)
- LXXX. **Hydromagnetic convection in a rotating annulus with an azimuthal magnetic field**
KURT E., Busse F., Pesch W.
THEORETICAL AND COMPUTATIONAL FLUID DYNAMICS, cilt.18, ss.251-263, 2004 (SCI-Expanded)
- LXXXI. **Fractal processing for an analysis of the quality and resistivity of large semiconductor plates**
Kurt H. H., Kurt E., Salamov B.
CRYSTAL RESEARCH AND TECHNOLOGY, sa.9, ss.743-753, 2004 (SCI-Expanded)
- LXXXII. **Effects of periodic magnetic field to the dynamics of vibrating beam**
KURT E., KASAP R., ACAR S.

- Mathematical and Computational Applications, cilt.9, sa.2, ss.275-284, 2004 (SCI-Expanded)
- LXXXIII. **An analysis of the spatial homogeneity of a photodetector surface in an infrared image converter using the fractal dimension**
Salamov B., Kurt H. H., Kurt E.
IMAGING SCIENCE JOURNAL, sa.4, ss.187-197, 2003 (SCI-Expanded)
- LXXXIV. **An analysis of the image homogeneity in an ionization-type infrared image converter using the fractal dimension**
Kurt H. H., Kurt E., Salamov B.
IMAGING SCIENCE JOURNAL, cilt.49, sa.4, ss.205-212, 2001 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Demagnetization effects of surface-mounted permanent magnet synchronous wind generator**
Dalcalı A., KURT E.
Journal of Energy Systems, cilt.8, sa.1, ss.63-74, 2024 (Scopus)
- II. **Effects of magnet shapes on total harmonic distortion and cogging torque in a permanent magnet synchronous generator for wind turbines**
KURT E., Dalcalı A.
Clean Energy, cilt.7, sa.5, ss.1058-1068, 2023 (ESCI)
- III. **EXPERIMENTAL ANALYSIS OF A SOLAR WATER HEATER WITH A THERMOSIPHON FOR DOMESTIC APPLICATIONS IN THE SOUTH-EAST OF KAZAKHSTAN**
Kunelbayev M., Mansurova M., Kurt E., Amirkhanova G., Baigarayeva Z.
JOURNAL OF MATHEMATICS MECHANICS AND COMPUTER SCIENCE, cilt.117, sa.1, ss.63-81, 2023 (ESCI)
- IV. **Electromagnetic shielding tests of a permanent magnet generator**
Sarıkahya M., Sarıkahya N. M., KURT E.
Journal of Energy Systems, cilt.7, sa.3, ss.290-301, 2023 (Scopus)
- V. **Forecasting of monthly electricity generation from the conventional and renewable resources following the corona virus pandemic in Turkey**
Kurt E., Kasap R., Çelik K.
Journal of Energy Systems, cilt.6, sa.3, ss.420-435, 2022 (Scopus)
- VI. **The simulation of a new high frequency transformer**
Hatem S., KURT E.
Journal of Energy Systems, cilt.6, sa.2, ss.322-337, 2022 (Scopus)
- VII. **TEMPERATURE ANALYSIS OF A FLAT SOLAR COLLECTOR USING ALUMINUM NANOFLUIDS**
Kunelbayev M., Vyazigin S., KURT E.
JOURNAL OF MATHEMATICS MECHANICS AND COMPUTER SCIENCE, cilt.114, sa.2, ss.71-79, 2022 (ESCI)
- VIII. **A New hyper chaotic algorithm for energy video communication security**
KURT E., Mülâyim S.
Journal of Energy Systems, cilt.6, sa.4, ss.583-593, 2022 (Scopus)
- IX. **An Application of a Wireless Power Transfer at Low Frequency Range**
KURT E., Zafarmand F., FİDANBOY H., DEMİRBAŞ Ş.
TECHNOLOGY AND ECONOMICS OF SMART GRIDS AND SUSTAINABLE ENERGY, cilt.6, sa.1, 2021 (ESCI)
- X. **A new tool for energy security and secure energy communication**
KURT E., Arpacı B.
Journal of Energy Systems, cilt.5, sa.4, ss.376-389, 2021 (Scopus)
- XI. **Cogging Torque Minimization Using Skewed and Separated Magnet Geometries**
Dalcalı A., KURT E., Çelik E., ÖZTÜRK N.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, cilt.23, sa.1, ss.223-230, 2020 (ESCI)
- XII. **Modeling and experimental validation of flow phenomena for optimum rotor blades of a new type permanent magnet generator**

İLBAŞ M., Demirci M., KURT E.

SN APPLIED SCIENCES, cilt.1, sa.12, 2019 (ESCI)

- XIII. **Implementation of a Real Time Analog Secure Image Communication System via a Chaotic Circuit**
HANÇERLİOĞULLARI A., El Hadad K. M., KURT E.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGİSİ, cilt.22, sa.4, ss.1083-1092, 2019 (ESCI)
- XIV. **A power circuit design for the poloidal field coils in a torus shaped plasma system**
DURSUN B., KURT E., TEKEREK M.
Journal of Energy Systems, cilt.3, ss.123-128, 2019 (Scopus)
- XV. **Foreword**
Saeed B., KURT E., Yangin C.
5th International Conference on Power Generation Systems and Renewable Energy Technologies, PGSRET 2019, 2019 (Scopus)
- XVI. **Design and fabrication of a new micro-power scaled electromagnetic harvester**
mutlu b., KURT E., Bizon N., LOPEZ GUEDE J. M.
Journal of Energy Systems, cilt.3, ss.51-66, 2019 (Scopus)
- XVII. **Modeling and Design of Azimuth-Altitude Dual Axis Solar Tracker for Maximum Solar Energy Generation**
Shufat S. A. A., KURT E., HANÇERLİOĞULLARI A.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY DEVELOPMENT-IJRED, cilt.8, sa.1, ss.7-13, 2019 (ESCI)
- XVIII. **Design optimization study of a torus type axial flux machine**
ARSLAN S., KURT E., Akizu O., LOPEZ GUEDE J. M.
Journal of Energy Systems, ss.43-56, 2018 (Scopus)
- XIX. **A numerical model for a Stirling engine**
Alaraby A. S., KURT E., Mohamed E. H., Hancerliogullari A.
Journal of Energy Systems, ss.1, 2018 (Scopus)
- XX. **Improving the Efficiency of a Nuclear Power Plant Using A Thermoelectric Cogeneration System**
Terzi R., KURT E.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY DEVELOPMENT-IJRED, cilt.7, sa.1, ss.77-84, 2018 (ESCI)
- XXI. **Electromagnetic design of a new radial flux permanent magnetmotor**
Bouloukza I., Mourad M., KURT E., BAL G., Ökmen C.
Journal of Energy Systems, cilt.2, sa.1, 2018 (Scopus)
- XXII. **Computational characterization of an axial rotor fan**
KURT E., DEMİRCİ M., FERNANDEZ GAMİZ U., İLBAŞ M., ZULUETA E., RAMOS HERNANZ J. A., JOSE ANTONIO L. G.
JOURNAL OF ENERGY SYSTEMS, cilt.1, sa.1, ss.129-137, 2017 (Scopus)
- XXIII. **THE EFFICIENCY ESTIMATION OF 900 MHZ RFENERGY HARVESTER USING ARTIFICIAL NEURALNETWORK**
DURSUN B., UZUN Y., KURT E.
Electrical and Electronics Engineering: An International Journal (EELIJ), cilt.6, sa.3, ss.17-23, 2017 (Hakemli Dergi)
- XXIV. **A New Sweep Up/Down Phenomenon between the Chaotic and Regular Regions in a New R2L2D Circuit**
KURT E., Bingol C.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGİSİ, cilt.19, sa.3, ss.305-310, 2016 (ESCI)
- XXV. **ELECTRICAL AND OPTICAL EXPLORATIONS OF A NEW ATMOSPHERIC PLASMA DEVICE**
KURT E., Öncü T., KURT H. H.
Electronic Letters on ScienceEngineering, 2016 (Hakemli Dergi)
- XXVI. **Development and characterization of semiconductor gas discharge microstructure.**
KURT H. H., KURT E., salamov b.
FİZİKA, 2009 (Hakemli Dergi)
- XXVII. **Effect of periodic magnetic field to the dynamics of vibrating beam**
KURT E., KASAP R., ACAR S.

- Mathematical Applications, cilt.2, sa.9, ss.275-283, 2004 (Hakemli Dergi)
- XXVIII. **Investigating the most appropriate parameters of the nonlinearresistor circuit time series**
KURT E., KASAP R.
J. Inst. Sci. Tech. Gazi Uni., cilt.14, sa.4, ss.1261-1269, 2001 (Hakemli Dergi)
- XXIX. **A comparison of chaotic circuits from a statistical approach**
KURT E., ACAR S., KASAP R.
Mathematical Computational Applications, cilt.3, sa.5, ss.95-103, 2000 (Hakemli Dergi)
- XXX. **Comparison of chaotic circuits from a statistical approach**
KURT E., ACAR S., KASAP R.
Mathematical and Computational Applications, cilt.5, sa.2, ss.95-103, 2000 (Scopus)
- XXXI. **An investigation of chaos in the RL diode circuit using the BDS test**
Kasap R., KURT E.
Journal of Applied Mathematics and Decision Sciences, cilt.2, sa.2, ss.193-199, 1998 (Hakemli Dergi)
- XXXII. **An investigation of chaos in RL-diode circuit by using the BDS test**
KASAP R., KURT E.
Journal of Applied Mathematics Decision Sciences, cilt.2, sa.2, ss.193-199, 1998 (Hakemli Dergi)
- XXXIII. **An investigation of chaos in the RL-diode circuit using the BDS test**
KASAP R., KURT E.
Journal of Applied Mathematics and Decision Sciences, cilt.2, sa.2, ss.193-199, 1998 (Scopus)

Kitap & Kitap Bölümleri

- I. **Theoretical Techniques for the Exploration of Piezoelectric Harvesters**
Kurt E., Kurt H. H.
Numerical Methods for Energy Applications, Naser Mahdevi Tabatabai, Nicu Bizon, Editör, Springer, London/Berlin , Basel, ss.467-488, 2021
- II. **Theoretical Techniques for the Exploration of Piezoelectric Harvesters**
Kurt E., Kurt H. H.
Numerical Methods for Energy Applications, Naser Mahdavi Tabatabaei and Nicu Bizon, Editör, Springer Nature, Berlin, ss.467-488, 2021
- III. **Karmaşanın Bilimi: Kaos(Gözden Geçirilmiş, Genişletilmiş Baskı)**
Kurt E., Kasap R.
Nobel Yayın Dağıtım, Ankara, 2020
- IV. **Fen ve Mühendislik için Fizik**
Yıldız D. E., Kurt E., Kurt H. H.
Nobel Yayın Dağıtım, Ankara, 2017
- V. **Energy Harvesting and Energy Efficiency (Lecture notes in energy)**
KURT E., Bizon N., Tabatabaei N. M., Blaabjerg F.
Springer, Cham, 2017
- VI. **Nonlinear Problems in Piezoelectric Harvesters Under Magnetic Field**
KURT E., UZUN Y.
Energy Harvesting and Energy Efficiency, Bizon, N., Mahdavi Tabatabaei, N., Blaabjerg, F., Kurt, E., Editör, Springer, ss.107-142, 2017
- VII. **Yer Çekimi**
KURT E.
Fen ve Mühendisler için Fizik, D. Esra yıldız, Erol Kurt, H. Hilal Kurt , Editör, Nobel akademik Yayıncılık, Ankara, ss.160-168, 2015
- VIII. **Titreşimler**
KURT E.
Fen ve Mühendislik için Fizik, D. Esra Yıldız, Erol Kurt, H. Hilal Kurt, Editör, Nobel Akademik yayıncılık, Ankara,

ss.150-159, 2015

IX. Akışkanlar

KURT E.

Fen ve Mühendislik için Fizik, D. Esra Yıldız, Erol Kurt, H. Hilal Kurt, Editör, Nobel akademik yayıncılık, Ankara, ss.169-177, 2015

X. Bölüm 20 Elektrik Alanlar; Bölüm 21 Gauss Yasası; Bölüm 22 Elektriksel Potansiyel

YILDIZ D. E., Aydoğru S. y., KURT H. H., ŞAFAK ASAR Y., Hacıismailoğlu M. C., KURT E., AKIN B., BÖLÜKDEMİR M. H., KARADAĞ F., EKİCİBİL A., et al.

Fen ve mühendislik için fizik, Esra Yıldız, Erol Kurt, H.Hilal Kurt, Editör, Nobel Yayınevi, Ankara, ss.223-252, 2015

XI. Karmaşanın Bilimi Kaos

Kurt E., Kasap R.

Nobel Yayın Dağıtım, Ankara, 2011

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. Two-Element MIMO Antenna for UWB Wireless Communications

KURT E., ÇELİK K., Kaynar E. K.

11. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS Riga/Latvia 18-20 May 2023, Riga, Letonya, 18 Mayıs 2023

II. Modeling and Simulation of a Hybrid Electromagnetic Accelerator

KURT E., ÇELİK K., Teksar A. Y., Görmüş H., Özdemir E.

Interdisciplinary Conference on Mechanics, Computers and Electrics - ICMECE, Barselona, İspanya, 06 Ekim 2022

III. Design and Analyses of the Novel Circular Fractal UWB Antenna

Çelik K., Ak H. H., Kurt E.

10. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS , İstanbul, Türkiye, 7 - 09 Mayıs 2022, ss.1-4

IV. A New Algorithm for Secure Energy Video Communication

KURT E., Mülâyim S.

10. European Conference on Renewable Energy Systems, İstanbul, Türkiye, 07 Mayıs 2022, ss.737-741

V. Simulation of DC Capacitive Discharge Plasma

DURSUN B., KURT E.

10. European Conference on Renewable Energy Systems, İstanbul, Türkiye, 07 Mayıs 2022, ss.759-763

VI. The Simulation of A New High Frequency Transformer

Hatem S. F., KURT E.

10. European Conference on Renewable Energy Systems, İstanbul, Türkiye, 07 Mayıs 2022, ss.547-558

VII. Electromagnetic shielding tests of a permanent magnet generator

Sarıkahya M., Sarıkahya N. M., KURT E.

Interdisciplinary Conference on Mechanics, Computers and Electrics, Türkiye, 27 Kasım 2021

VIII. Design and Simulation of V-Shaped Microstrip Patch Antenna for 2.4 GHz Internet of Things Applications

ÇELİK K., KURT E.

Interdisciplinary Conference on Mechanics, Computers and Electrics, Türkiye, 27 Kasım 2021

IX. INVESTIGATION OF FORCED CONVECTION ON THE COILS FOR A PERMANENT MAGNET AXIAL FLUX GENERATOR

Demirci M., İlbaş M., Kurt E.

23RD CONGRESS ON THERMAL SCIENCE AND TECHNOLOGY WITH INTERNATIONAL PARTICIPATION, Gaziantep, Türkiye, 8 - 10 Eylül 2021, ss.82-88

X. EXPERIMENTAL STUDY OF NATURAL CONVECTION HEAT TRANSFER ON A PERMANENT MAGNET AXIAL FLUX GENERATOR

Demirci M., İlbaş M., Kurt E.

23RD CONGRESS ON THERMAL SCIENCE AND TECHNOLOGY WITH INTERNATIONAL PARTICIPATION, Gaziantep,

Türkiye, 8 - 10 Eylül 2021, ss.76-81

- XI. **Optimum design aspects of energy harvesters**
KURT E.
Universitas Riau International Conference on Science and Environment, Riau, Endonezya, 10 Ekim 2021
- XII. **The Role of Hydrogen energy in an Energized World**
KURT E.
3. International Hydrogen Energy Congress and Exhibitions, Ankara, Türkiye, 14 Haziran 2021
- XIII. **Design and Implementation of a 2.4 GHz Yagi-Uda Antenna and Dependence of the Antenna Parameters to the Structural Parameters**
Cinay A., KURT E., Celik K.
3rd International Conference on Electrical, Communication and Computer Engineering, ICECCE 2021, Kuala-Lumpur, Malezya, 12 - 13 Haziran 2021
- XIV. **Ciphering and deciphering technique on the images of energy plants and networks**
KURT E., arpacı b.
9. European Conference on Renewable Energy Systems, Türkiye, 21 - 23 Nisan 2021
- XV. **MPPT System implementation for a piezoelectric energy harvester**
KURT E., ÖZHAN D.
9. European Conference on Renewable Energy Systems, Türkiye, 21 Nisan 2021
- XVI. **Comparison of the Efficiency Values of the Rectifiers Used in the RF Energy Harvesting Systems**
Çelik K., Kurt E.
9. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, İstanbul, Türkiye, 21 - 23 Nisan 2021, ss.701-705
- XVII. **Heating and cooling issues of the electric machines**
KURT E.
International Conference on Advances in Thermal Engineering and Applications, Tamil Nadu, Hindistan, 19 Mart 2021
- XVIII. **Artificial Neural Network Design for an Axial Flux Permanent Magnet Generator**
TEKEREK A., KURT E.
8. European Conference on Renewable Energy Systems, İstanbul, Türkiye, 24 - 25 Ağustos 2020
- XIX. **EXERGY ANALYSES AND INTEGRATED GAS COMBINED CYCLE FOR A HIGH EFFICIENCY OF A NUCLEAR POWER PLANT**
TERZİ R., KURT E.
8. European Conference on Renewable Energy Systems, İstanbul, Türkiye, 24 Ağustos 2020
- XX. **THD ANALYSIS FOR A PMSG WITH DIFFERENT MAGNET STRUCTURE**
DALCALI A., KURT E.
8. European Conference on Renewable Energy Systems, İstanbul, Türkiye, 24 - 25 Ağustos 2020
- XXI. **THE EFFECT OF CATHODE CAVITIES TO THE MODES OF A CAVITY MAGNETRON**
yıldız y., KURT E.
8. European Conference on Renewable Energy Systems, İstanbul, Türkiye, 24 - 25 Ağustos 2020
- XXII. **HIGH TEMPERATURE LEAD ACID BATTERY SOC AND SOH CHARACTERIZATION BASED ON ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY DATA**
olarte j., ZULUETA E., ferret r., KURT E., de Ilarduya J. M., LOPEZ GUEDE J. M.
8. European Conference on Renewable Energy systems, İstanbul, Türkiye, 24 - 25 Ağustos 2020
- XXIII. **ALGEBRAIC MODELING OF A NEW ELECTROMAGNETIC MECHANICAL VIBRATION ENERGY HARVESTING**
KURT E., Issimova A., Medetov B.
8. European Conference on Renewable Energy Systems, İstanbul, Türkiye, 24 - 25 Ağustos 2020
- XXIV. **THE LOAD SHEDDING PREDICTION IN GECOL USINGARTIFICIAL NEURAL NETWORK**
Abusida A. M., HANÇERLİOĞULLARI A., RAHEBİ C., KURT E., KARATAY S., GÜLTEPE Y., Rezaeizadeh R.
8. European Conference on Renewable Energy Systems, İstanbul, Türkiye, 24 - 25 Ağustos 2020
- XXV. **A CLASSIFICATION TOOL FOR THE MOTION OF A PIEZOELECTRIC ENERGY HARVESTER VIA NEURAL NETWORK**

- KURT E., TEKEREK M., ÇELİK K., gök m.
8. European Conference on Renewable Energy Systems, İstanbul, Türkiye, 24 - 25 Ağustos 2020
- XXVI. **AN APPLICATION OF A WIRELESS POWER TRANSFER AT LOW FREQUENCY RANGE**
KURT E., Fatemeh Z., FİDANBOY H., DEMİRBAŞ Ş.
8. European Conference on Renewable Energy Systems, İstanbul, Türkiye, 24 - 25 Ağustos 2020
- XXVII. **NAVIER-STOKES-MAXWELL EQUATIONS FOR MHD EFFECTS WITH TURBULENT FLOW IN ADVANCED ARIES-RS FUSION TECHNOLOGY**
HANÇERLİOĞULLARI A., KURT E., Ghasemizad A., Rezaeizadeh R., Ali Madee Y. G., Ali Omar Swese E. E. H.
8. European Conference on Renewable Energy Systems, İstanbul, Türkiye, 24 - 25 Ağustos 2020
- XXVIII. **An Innovative Tool for the Chaotic Image Encryption, Decryption and Security Tests**
arpacı b., KURT E.
2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Istanbul, Turkey, Türkiye, 12 - 13 Haziran 2020
- XXIX. **Comparison of two multicone antennas for radio frequency energy harvesting**
tariq H. M., KURT E., ÇELİK K.
2. International Turkish World Engineering and Science Congress, Antalya, Türkiye, 7 - 10 Kasım 2019
- XXX. **COMPARISON OF TWO MULTICONE ANTENNAS FOR RADIOFREQUENCY ENERGY HARVESTING**
COMPARISON OF TWO MULTICONE ANTENNAS FOR RADIOFREQUENCY ENERGY HARVESTING
tariq M. h., KURT E., ÇELİK K.
2nd International Turkish World Engineering and Science Congress, Türkiye, 7 - 10 Kasım 2019
- XXXI. **ULUSAL STRATEJİ BELGESİ SUNUMU**
KURT E.
ulusal politika ve strateji belgesi çalıştayı, Ankara, Türkiye, 02 Aralık 2019
- XXXII. **A Novel Wideband Circular Fractal Antenna for Energy Harvesting Applications**
ÇELİK K., KURT E.
International Symposium ISAECT 2019, Roma, İtalya, 27 - 29 Kasım 2019
- XXXIII. **Düşük Güç Enerji Kaynakları: Enerji Hasatçıları**
KURT E.
1. Ulusal Mühendislik ve Teknoloji Kongresi, Karaman, Türkiye, 17 - 19 Ekim 2019
- XXXIV. **Electromagnetic analysis of an axial flux permanent magnet generator**
KURT E., GÖR H., ÇELİK K.
5th International Conference on Power Generation Systems and Renewable Energy Technologies, PGSRET, İstanbul, Türkiye, 26 - 27 Ağustos 2019
- XXXV. **Design and implementation of an energy harvester with a fluid core**
tavşan d., KURT E., KURT H. H., Nigmatullin R. R.
5th International Conference on Power Generation Systems and Renewable Energy Technologies, 26 - 27 Ağustos 2019
- XXXVI. **Experimental Studies of a Wind Energy Generator with Axial and Radial Flux Morphologies**
KURT E., GÖR H., ÇETİN Y.
7th EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, İstanbul, Türkiye, 10 - 12 Haziran 2019, ss.420-428
- XXXVII. **Numerical Analyses of the Concentrated Solar Receiver Pipes with Superheated Steam**
ŞAHİN H. M., DEMİRCİ M., KURT E., Dal A. R.
7th EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, Madrid, İspanya, 10 - 12 Haziran 2019
- XXXVIII. **NUMERICAL ANALYSES OF THE CONCENTRATED SOLAR RECEIVER PIPES WITH SUPERHEATED STEAM**
ŞAHİN H. M., demirci m., KURT E., dal A. R.
7. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, Madrid, İspanya, 10 - 12 Haziran 2019
- XXXIX. **FAST START RECIPROCATING ENGINES IN THE FLEXIBLE POWER GENERATION**
DEL VALLE J., LOPEZ GUEDE J. M., Akizu O., KURT E.

7. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, Madrid, İspanya, 10 - 12 Haziran 2019
- XL. **MODELING AND SIMULATION OF A BETA-TYPE STIRLING ENGINE UNDER AIR, NITROGEN AND HELIUM MEDIA**
HANÇERLİOĞULLARI A., KURT E., SHUFAT S.
7. EUROPEAN conference on renewable energy systems, Madrid, İspanya, 10 - 12 Haziran 2019
- XLI. **A NEW POWER CIRCUIT DESIGN FOR THE PLASMA IGNITION IN A TORUS CELL**
DURSUN B., KURT E.
7. european conference on renewable energy systems, Madrid, İspanya, 10 - 12 Haziran 2019
- XLII. **CFD ANALYSIS OF FLOW PHENOMENA FOR OPTIMUM ROTOR BLADES**
İLBAŞ M., demirci m., KURT E.
7. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, Madrid, İspanya, 10 - 12 Haziran 2019
- XLIII. **A Novel Super Wideband Circular Fractal Antenna For Energy Harvesting Applications**
ÇELİK K., KURT E.
International Symposium on Advanced Electrical and Communication Technologies (ISAECT), Rome, İtalya, 27 - 29 Kasım 2019
- XLIV. **COMPARISON OF ELECTROMAGNETIC ENERGY HARVESTERS**
KURT E.
11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Pitesti, Romanya, 27 - 29 Haziran 2019
- XLV. **A new algorithm for the coloured image encryption via the modified Chua's circuit**
arpacı b., KURT E., ÇELİK K.
International Conference on Cyber Security and Computer Science, 18 - 20 Ekim 2018
- XLVI. **Can chaos be eliminated from the quantum computers**
KURT E.
3. International Scientific Conference on Computer Science and Applied Mathematics, 26 - 29 Eylül 2018
- XLVII. **COGGING TORQUE REDUCTION BY USING THE SKEWING AND SEPARATED MAGNET TECHNIQUES**
DALCALI A., KURT E., ÇELİK E., ÖZTÜRK N.
THE 6TH EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, İstanbul, Türkiye, 25 - 27 Haziran 2018
- XLVIII. **Modeling and design of azimuth-altitude dual axis solar tracker for maximum solar energy generation**
Alaraby A. S., KURT E., Mohamed E. H., Hancerliogullari A.
6. european Conference on Renewable Energy Systems, 25 - 27 Haziran 2018
- XLIX. **Fuel Cell (FC) Hybrid power system with mitigation of the load demand variability by the fc air flow control**
Bizon N., LOPEZ GUEDE J. M., KURT E.
6. European Conference on Renewable Energy Systems, 25 - 27 Haziran 2018
- L. **Implementation of the grid-interactive power generation for a hybrid system including a new permanent magnet generator and the solar panels with wind speed - dependent battery controller**
DEMİRTAŞ M., KURT E.
6. European Conference on Renewable Energy Systems, 25 - 27 Haziran 2018
- LI. **Effect of aging and environmental factors on performance of thin film photovoltaic modules: A comparative analysis**
DEMİRTAŞ M., TAMYÜREK B., KURT E., ÇETİNBAS İ.
6. European Conference on Renewable Energy Systems, 25 - 27 Haziran 2018
- LII. **analytical and experimental studies on a new linear electromagnetic harvester**
KURT E., mutlu b., LOPEZ GUEDE J. M., Akizu O., GÜLDAŞ A.
6. european Conference on Renewable Energy Systems, 25 - 27 Haziran 2018
- LIII. **Electromagnetic Design of a New 3.5 kW Axial Flux Permanent Magnet Generator**
KURT E., GÖR H., ÇELİK K., ÇETİN Y.
THE 6TH EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, İstanbul, Türkiye, 25 - 27 Haziran 2018, ss.1358-1368

- LIV. **Energy Distributions and Radiative Features in an Inertial Electrostatic Confinement Device**
DURSUN B., KURT E.
6. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, 25 - 27 Temmuz 2018, ss.1297-1305
- LV. **Design and implementation of a rotational speed controller for a contactless piezoelectric wind energy harvester**
ÇELİK E., KURT E., ÖZTÜRK N.
6th European Conference on Renewable Energy Systems, 25 - 27 Haziran 2018, ss.1306-1314
- LVI. **Design and Simulation of the Antenna for RF Energy Harvesting Systems**
ÇELİK K., KURT E.
6th International Istanbul Smart Grids and Cities Congress and Fair (ICSG), İstanbul, Türkiye, 25 - 26 Nisan 2018, ss.148-150
- LVII. **Design and Modelling of a Triple Wind Energy Harvester With a Variable Capacitance**
ÖZHAN D., ÜNAL F., KURT E., TAŞALTIN R.
V. European Conference on Renewable Energy Systems, Sarajevo, Bosna-Hersek, 27 - 30 Ağustos 2017
- LVIII. **DESIGN, THEORY AND IMPLEMENTATION OF A NEW LINEAR ELECTROMAGNETIC HARVESTER**
KURT E., KALE M., AKBABA S., BİZON N.
33rd Int. Physics Congress, Bodrum, Türkiye, 6 - 10 Eylül 2017
- LIX. **New technique for secure image communication via a resistor-two inductors-two diodes chaotic circuit**
EL HADAD K., KURT E., HANÇERLİOĞULLARI A.
International Conf. on Advanced Engineering Tech., 21 - 23 Eylül 2017
- LX. **A Many-Body Model Suggestion for Deuterons and Electrons in an Inertial electrostatic Confinement Fusion Device**
KURT E., DURSUN B., KURT H. H.
6. Bozok Bilim Çalıştayı, Yozgat, Türkiye, 23 - 25 Ağustos 2017
- LXI. **Comparison of Energy Distributions And Radiation Emissions in an Inertial electrostatic Confinement Device for Various Magnetic Fields**
KURT E., DURSUN B.
V. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, 27 - 30 Ağustos 2017, ss.489-498
- LXII. **DESIGN AND IMPLEMENTATION OF A NEW LINEAR ELECTROMAGNETIC HARVESTER**
KURT E., AKBABA S., KALE M., BİZON N.
5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, SARAYBOSNA, Bosna-Hersek, 27 - 30 Ağustos 2017
- LXIII. **COMPUTATIONAL MODEL OF AN AXIAL FAN**
FERNANDEZ GAMIZ U., DEMİRCİ M., ZULUETA E., HERNANZ J. R., LOPEZ GUEDE J. M., KURT E.
5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, SARAYBOSNA, 27 - 30 Ağustos 2017
- LXIV. **IMPROVING THE EFFICIENCY OF A NUCLEAR POWER PLANT USING A THERMOELECTRIC COGENERATION SYSTEM**
TERZİ R., KURT E.
5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, SARAYBOSNA, Bosna-Hersek, 27 - 30 Ağustos 2017
- LXV. **THE ROLE OF INTERNATIONAL ENERGY DEPENDENCY ON NATIONAL WELFARE**
AKIZU O., KURT E., BUENO G., LOPEZ GUEDE J. M., ARTO I.
5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, SARAYBOSNA, Bosna-Hersek, 27 - 30 Ağustos 2017
- LXVI. **AIR FLOW REAL-TIME OPTIMIZATION STRATEGY FOR FUEL CELL HYBRID POWER SOURCES WITH FUEL FLOW BASED ON LOAD-FOLLOWING**
BİZON N., KURT E., İANA G.
5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, SARAYBOSNA, Bosna-Hersek, 27 - 30 Ağustos 2017
- LXVII. **EXPLORATION OF A PERMANENT MAGNET SYNCHRONOUS GENERATOR WITH COMPENSATED REACTANCE WINDINGS IN PARALLEL ROD CONFIGURATION**

- LYAN O., GUSEINOVİENE E., PASİLİS A., SENULİS A., KNOLİS A., KURT E.
5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, SARAYBOSNA, Bosna-Hersek, 27 - 30 Ağustos 2017
- LXVIII. **A NOVEL VARIABLE STEP SIZE MPPT ALGORITHM UNDER FAST VARYING WEATHER CONDITIONS FOR PHOTOVOLTAIC SYSTEMS BASED ARDUINO MICROCONTROLLER**
Kheireddine D., Chenni R., KURT E.
5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, 27 - 30 Ağustos 2017
- LXIX. **A STIRLING ENGINE MODELING STUDY FOR SOLAR ENERGY OF PARABOLIC DISH SYSTEMS**
SHUFAT S., KURT E., El Hadad K., HANÇERLİOĞULLARI A.
5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, SARAYBOSNA, Bosna-Hersek, 27 - 30 Ağustos 2017
- LXX. **IMPLEMENTATION OF A STIRLING ENGINE AND GENERATOR COMBINATION FOR DIRECT ELECTRICITY GENERATION**
SHUFAT S., KURT E., ÇINAR C., AKSOY F., HANÇERLİOĞULLARI A.
5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, 27 - 30 Ağustos 2017
- LXXI. **EXTREMUM SEEKING CONTROL USED FOR OPTIMAL OPERATION OF WIND TURBINE UNDER TURBULENT WIND GUSTS**
Bizon N., KURT E., CULCER M., Iliescu M., BELOIU R.
5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, SARAYBOSNA, Bosna-Hersek, 27 - 30 Ağustos 2017
- LXXII. **Preliminary Modeling of FLC Dealing with MPPT Problem**
Lopez Guede J. M., Ramos Hernanz J., ALTIN N., ÖZDEMİR Ş., KURT E., Azkune G.
European Conference on Renewable Energy Systems, Saraybosna, Bosna-Hersek, 27 - 30 Ağustos 2017, ss.239-244
- LXXIII. **A Neural Network Design And Prediction Scheme upon the Behavior of a Piezoelectric Harvester**
ÇELİK E., UZUN Y., KURT E., ÖZTÜRK N.
The V. European Conference on Renewable Energy Systems, SARAYBOSNA, Bosna-Hersek, 28 - 30 Ağustos 2017, ss.172-180
- LXXIV. **The Efficiency Estimation Of 900 MHZ Rf Energy Harvester Using Artificial Neural Network**
DURSUN B., UZUN Y., KURT E.
Fourth International Conference on Information Technology, Control, Chaos, Modeling and Applications (ITCCMA-2017), 27 - 28 Mayıs 2017, ss.17-23
- LXXV. **Can Non-identical Josephson Junctions be synchronized?**
ÇELİK K., KURT E., Stork M.
58th IEEE International Scientific Conference on Power and Electrical Engineering of Riga-Technical-University (RTUCON), Riga, Letonya, 12 - 13 Ekim 2017
- LXXVI. **Synchronization and Secure Communication in a Resistor Double Inductor and Diode Circuit**
KURT E., Bingol C.
58th IEEE International Scientific Conference on Power and Electrical Engineering of Riga-Technical-University (RTUCON), Riga, Letonya, 12 - 13 Ekim 2017
- LXXVII. **Erasmus Innovative European Studies**
Lopez-Guede J. M., KURT E., ALTIN N., Grana M., Ionescu V.
Int Joint Conf on Int Conference on Soft Comp Models in Ind and Environm Applicat / Int Conf on Computat Intelligence in Secur Informat Syst / Int Conf on European Transnat Educ, San Sebastian, İspanya, 19 - 21 Ekim 2016, cilt.527, ss.758-765
- LXXVIII. **Electrical and optical explorations of a new atmospheric plasma device**
KURT E., Öncü t., KURT H. H.
BSW2016 5. Bozok Science Workshop, Türkiye, 28 - 29 Nisan 2016
- LXXIX. **Piezoelectrics as micro energy devices**
KURT E.
International underground resources and energy conference, 6 - 08 Ekim 2016

- LXXX. **The exploration of radiative features in an inertial electrostatic confinement fusion system**
DURSUN B., KURT E.
WITAM 2016 2nd International Congress on the World of Technology and Advanced Materials, 28 Eylül - 02 Ekim 2016
- LXXXI. **Implementation of a new piezoelectric wind energy harvester**
ÖZHAN D., UZUN Y., KURT E.
WITAM 2016 2nd International Congress on the World of Technology and Advanced Materials, 28 Eylül - 02 Ekim 2016
- LXXXII. **EFFECTS OF NONLINEARITIES TO THE PIEZOELECTRIC ENERGY HARVESTERS**
KURT E.
NURER 2016 5th International Conference on Nuclear and Renewable Energy Resources, 18 - 21 Eylül 2016
- LXXXIII. **Exploration of the effect of back iron in a new permanent magnet synchronous generator**
GÖR H., KURT E.
NURER 2016 5th International Conference on Nuclear and Renewable Energy Resources, 18 - 21 Eylül 2016
- LXXXIV. **Design and Simulation of a New Inverter for an Axial Flux Permanent Magnet Generator**
Güler N., Irmak E., Gör H., Kurt E.
4th European Conference on Renewable Energy Systems, İstanbul, Türkiye, 28 - 31 Ağustos 2016
- LXXXV. **Estimation of the Power Generation and Efficiency of a New Axial Flux Permanent Magnet Synchronous Generator Via A Neural Network Algorithm**
ÇELİK E., GÖR H., ÖZTÜRK N., KURT E.
IV. European Conference On Renewable Energy Systems, 28 - 31 Ağustos 2016
- LXXXVI. **Electromagnetic Analysis of a Single Phase Grid Interactive Inverter**
KURT E., Sarıkahya M. N., Sarıkahya M., ALTIN N.
4th European Conference on Renewable Energy Systems, ECRES 2016, İstanbul, Türkiye, 28 - 31 Ağustos 2016, ss.1-7
- LXXXVII. **CONTROL LAW DETERMINATION FOR A NEW CONTACTLESSPIEZOELECTRIC WIND ENERGY HARVESTER**
Zulueta E., KURT E., UZUN Y.
ECRES 2016 4. European Conference on Renewable Energy Systems, 28 - 31 Ağustos 2016
- LXXXVIII. **PERFORMANCE ANALYSIS OF THE TRACKING OF THE GLOBAL EXTREME ON MULTIMODAL PATTERNS USING THE ASYMPTOTIC PERTURBED EXTREMUM SEEKING CONTROL SCHEME**
Bizon N., KURT E.
ECRES 2016 European Conference on Renewable Energy Systems, 28 - 31 Ağustos 2016
- LXXXIX. **POWER ESTIMATION OF A NEW GENERATOR VIA NEURAL NETWORK**
Lopez Guede J. M., GÖR H., KURT E., Grana M.
ECRES 2016 +th Euroepan Conference on Rebnewable Energy Systems, 28 - 31 Ağustos 2016
- XC. **POWER RECOVERY FOR A NEW THREE PHASE PIEZOELECTRIC WIND ENERGY HARVESTER**
KURT E., cottone F., UZUN Y., orfei F., Mattarelli M.
ECRES 2016 European Conference on Renewable Energy Systems, 28 - 31 Ağustos 2016
- XCI. **THE MODELLING AND SIMULATION OF A PIEZOELECTRIC BEAM UNDER A PERIODIC MAGNETIC EXCITATION**
ÇELİK K., KURT E., UZUN Y.
ECRES 2016 European Conference on Renewable Energy Systems, 28 - 24 Ağustos 2016
- XCII. **EXPLORATION OF POWER QUALITY WITH A UPQC FED BY PV SYSTEM WITH HYBRID SUPERCAPACITORS BATTERIES ENERGY STORAGE SYSTEM**
Bouzelata Y., KURT E., Chenni R., ALTIN N.
ECRES 2016 - European Conference on Renewable Energy Systems, 28 - 24 Ağustos 2016
- XCIII. **ENERGY DISTRIBUTION OF PARTICLES IN A DEUTERIUM FILLED CONFINEMENT DEVICE**
DURSUN B., KURT E., KURT H. H.
4. European Conference on Renewable Energy Systems, 28 - 31 Ağustos 2016
- XCIV. **Electromagnetic optimization of a permanent magnet synchronous generator**

KURT E., GÖR H.

ECAI 2016 - 8th International Conference on Electronics, Computers and Artificial Intelligence, 30 Haziran - 02 Temmuz 2016

XCV. Çok cisim yaklaşımıyla yatay manyetik alan altında parçacıkların davranışı

KURT E., DURSUN B., KURT H. H.

23. İstatistiksel Fizik Günleri, Türkiye, 23 - 24 Haziran 2016

XCVI. A New Image Encryption Algorithm Based on Lorenz System

ÇELİK K., KURT E.

8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, Romanya, 30 Haziran - 02 Temmuz 2016

XCVII. A New Sweep Up Down Phenomenon between the Chaotic and Regular Regions in a New R2L2D Circuit

KURT E., cihan b.

Int. Conf. Engineering & MIS, İstanbul, Türkiye, 24 - 26 Eylül 2015

XCVIII. Simulations of Particle Distribution at Moderate Magnetic Field Case in an Inertial Electrostatic Confinement Unit

DURSUN B., KURT E.

3. European Conference on Renewable Energy Systems, Antalya, Türkiye, 7 - 10 Ekim 2015

XCIX. Waveform characteristics and losses of a new double sided axial and radial flux generator

GÖR H., KURT E.

3. European Conference on Renewable Energy Systems, Antalya, Türkiye, 7 - 10 Ekim 2015

C. Exploration of the chaotic behaviour in a buck boost converter depending on the converter and load elements

DEMİRBAŞ Ş., FİDANBOY H., KURT E.

3. European Conference on Renewable Energy Systems, Antalya, Türkiye, 7 - 10 Ekim 2015

CI. OPTIMAL DESIGN AND PERFORMANCE EVALUATION OF HYBRID WIND SOLAR ENERGY SYSTEM FOR POWER GENERATION AND HARMONIC COMPENSATION

Yahia B., ALTIN N., Rachid C., KURT E.

ECRES 2015, 3th European Conference on Renewable Energy Systems, Antalya, Türkiye, 7 - 10 Ekim 2015, ss.1-11

CII. Control of a Stand Alone Hybrid Power System

Bouthaina M., Rachid C., KURT E., Kemal Eddine H.

3. European Conference on Renewable Energy Systems, Antalya, Türkiye, 7 - 10 Ekim 2015

CIII. A numerical real time dynamic tool for piezoelectric beam under magnetic fields

ÖZHAN D., UZUN Y., KURT E.

3. European Conference on Renewable Energy Systems, 7 - 10 Ekim 2015

CIV. THEORETICAL AND EXPERIMENTAL EXPLORATION OF BREAKDOWN PHENOMENA IN AN ARGON FILLED GaPDEVICE

Tanriverdi E., KURT H. H., KURT E.

3 th European Conference on Renewable Energy Systems, Antalya, Türkiye, 7 - 10 Ekim 2015

CV. Particle trajectories and energy distribution at low magnetic field case from a new iec fusion device model

KURT E., DURSUN B.

17. Int. Conf. Emerging Nuclear Energy Sciences, Antalya, Türkiye, 7 - 10 Ekim 2015

CVI. Comparison of two maximum power point tracking techniques applied to a photovoltaic system

bouthaina m., rachid c., KURT E., Kamel h.

3. European Conference on Renewable Energy Systems, Türkiye, 7 - 10 Ekim 2015

CVII. Numerical analyses of concentrated solar receiver pipes with superheated steam

demirci m., POLAT T., KURT E., ŞAHİN H. M.

3. European Conference on Renewable Energy Systems, Türkiye, 7 - 10 Ekim 2015

CVIII. Energy and exergy analyses of a VVER type nuclear power plant

Rauf T., TÜKENMEZ İ., KURT E.

17. Int. Conf. Emerging Nuclear Energy Sciences, İstanbul, Türkiye, 4 - 08 Ekim 2015
- CIX. **A new permanent magnet generator PMG with the axial and radial flux morphology**
GÖR H., KURT E.
17. Int. Conf. Emerging Nuclear Energy Sciences, İstanbul, Türkiye, 4 - 08 Ekim 2015
- CX. **Chaotic Electrical Circuits and Their Engineering Applications**
KURT E.
Int. Conf. Engineering & MIS, 24 - 26 Eylül 2015
- CXI. **Simulation studies on the ion trajectories and energy spectra for a new inertial electrostatic confinement fusion device**
KURT E., DURSUN B.
1st IAEA Technical Meeting on Fusion Data Processing, Validation and Analysis, Nice, Fransa, 1 - 03 Haziran 2015
- CXII. **Design and Simulation of a New Dual-band RF Energy Harvester with High Efficiency**
UZUN Y., KURT E.
International Symposium on Consumer Electronics (ISCE), Madrid, İspanya, 24 - 26 Haziran 2015
- CXIII. **Control System Approach to the Dynamics of Nonidentical Josephson Junction Systems**
Stork M., KURT E.
International Conference on Applied Electronics (AE), Pilsen, Çek Cumhuriyeti, 8 - 09 Eylül 2015, ss.233-238
- CXIV. **Power Characteristics of a New Contactless Piezoelectric Harvester**
KURT E., Uzun Y., Durmus C.
4th International Conference on Electric Power and Energy Conversion Systems (EPECS), Sharjah, Birleşik Arap Emirlikleri, 24 - 26 Kasım 2015
- CXV. **Analyses of Losses and Efficiency for a New Three Phase Axial Flux Permanent Magnet Generator**
GÖR H., KURT E., BAL G.
4th International Conference on Electric Power and Energy Conversion Systems (EPECS), Sharjah, Birleşik Arap Emirlikleri, 24 - 26 Kasım 2015
- CXVI. **Effects of Nonlinearities in a Magneto-piezoelectric System**
KURT E., UZUN Y.
6th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Pitesti, Romanya, 23 - 25 Ekim 2014
- CXVII. **Electromagnetic Design of a New Axial Flux Generator**
KURT E., GÖR H.
6th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Pitesti, Romanya, 23 - 25 Ekim 2014
- CXVIII. **Power vibration relation for a piezoelectric harvester under magnetic excitation**
UZUN Y., KURT E.
13th Int. Conf. on Electric Power Systems, High Voltages, Electric Machines, 27 - 29 Ağustos 2013
- CXIX. **Electromagnetic analyses of two axial flux permanent magnet generators PMGs**
KURT E., ARSLAN S., GÖR H., DEMİRTAŞ M.
4th International Conference on Power Engineering, Energy and Electrical Drives, İstanbul, Turkey, Türkiye, 13 - 17 Mayıs 2013, ss.290-294
- CXX. **Implementation and modeling of a piezoelectric pendulum under a harmonic magnetic excitation**
UZUN Y., KURT E.
11. international conference on applications of electrical engineering, 7 Ocak - 09 Mart 2012
- CXXI. **Investigation of Current Harmonics Using FEM on Different Rotor Types of PMSMs**
ARSLAN S., FİDANBOY H., DEMİRBAŞ Ş., GÜVEN M. E., KURT E.
23. International Symposium on Information, Communication and Automation Technologies (ICAT 2011), 27 - 29 Ekim 2011
- CXXII. **Design and analysis of an axial field permanent magnet generator with multiple stators and rotors**
KURT E., ARSLAN S., DEMİRTAŞ M., GÜVEN M. E.
2011 International Conference on Power Engineering, Energy and Electrical Drives, Malaga, Spain, İspanya, 11 - 13 Mayıs 2011, ss.1-4

- CXXIII. **Periodic And Aperiodic Dynamics From A Resistively Coupled Nonidentical Superconducting Junction Under Dc Excitations**
KURT E.
International Conference on Circuits, Systems, Signals, Malta, 15 - 17 Eylül 2010, ss.29
- CXXIV. **Josephson eklem sisteminden elde edilen zaman serilerinin istatistiksel olarak incelenmesi**
Kurt E., Kasap R.
18. İstatistik Araştırma Sempozyumu, Ankara, Türkiye, 01 Ocak 2009, ss.1-2
- CXXV. **3 kJ plasma focus system: Design, construction and experiments**
Alaçakır A., Öncü T., KURT E., Recepoğlu E., Akgün Y., Bölükdemir A., Çakır I., Karadeniz H., Elmalı A., Yeşiltaş Ö., et al.
13th International Conference on Emerging Nuclear Energy Systems 2007, ICENES 2007, İstanbul, Türkiye, 3 - 08 Haziran 2007, cilt.1, ss.456-460
- CXXVI. **Aynı zaman dizisi için farklı yaklaşımlarla yapılan Modellemeler üzerine bir inceleme**
Kasap R., Kurt E.
İstatistik Sempozyumu 2000, Ankara, Türkiye, 01 Ocak 2000, ss.1-3
- CXXVII. **Pd13 topağının kaotik dinamiği**
Kurt E., Kasap R.
III. Ulusal Atom ve Molekül Fiziği Sempozyumu, Erzurum, Türkiye, 01 Ocak 2000, ss.1-2
- CXXVIII. **KANADA VAŞAĞI ZAMAN DİZİSİNE AİT MODELLERİN YENİDEN İNCELENMESİ**
KASAP R., KURT E.
Araştırma Sempozyumu'99, Ankara, Türkiye, 22 Kasım 1999
- CXXIX. **A nonlinearity analyze of the nonlinear resistor circuit using a statistical test**
Kurt E., Acar S., Kasap R.
VI. Statistical Physics Days, İstanbul, Türkiye, 01 Ocak 1999, ss.1-2

Desteklenen Projeler

- KURT E., ÇELİK K., Yükseköğretim Kurumları Destekli Proje, Çoklu frekanslı bir Hibrit enerji harmanlayıcının tasarımı ve Uygulaması, 2020 - 2021
- KURT E., YILDIZ Y., Yükseköğretim Kurumları Destekli Proje, Yeni bir magnetron tasarımı ve uygulaması, 2019 - 2021
- Kurt E., Gör H., TÜBİTAK Projesi, Çift Rotorlu Parçalı Nüveli Yeni Bir Rüzgar Enerjisi Jeneratörü Tasarımı Ve Üretimi, 2017 - 2019
- KURT E., Diğer Resmi Kurumlarca Desteklenen Proje, Deprem erken Uyarı Sistemi, 2017 - 2018
- Kurt E., IRMAK E., Erasmus Projesi, Innovative European Studies on Renewable Energy Systems, 2015 - 2018
- KURT E., TÜBİTAK Projesi, Yeni bir yüksek manyetik akı yoğunluklu elektromanyetik üreteç, 2017 - 2017
- KURT E., Yükseköğretim Kurumları Destekli Proje, Tasarruflu lambaların şebeke üzerindeki bozucu etkilerinin azaltılması, 2015 - 2017
- KURT E., Yükseköğretim Kurumları Destekli Proje, Eksenel ve radyal akılı sürekli mıknatıslı yeni bir jeneratörün elektromanyetik tasarımı ve simülasyonu, 2016 - 2016
- KURT E., TÜBİTAK Projesi, Çok amaçlı enkaz arama robotu ARABOT, 2015 - 2016
- KURT E., TÜBİTAK Projesi, 114E017 Çoklu Doğal Frekanslı Temassız Piezoelektrik Enerji Üretici Modellemesi ve Rüzgar Enerjisi Uygulaması, 2014 - 2016
- KURT E., TÜBİTAK Projesi, Çok Fonksiyonlu Robot Kolu Tasarımı ve Yapımı, 2014 - 2015
- Kurt E., Erasmus Projesi, European Workshop on Renewable Energy Systems, 2013 - 2014
- KURT E., Yükseköğretim Kurumları Destekli Proje, Rüzgardan Elektrik Enerjisi Üreten Manyetik Piezoelektrik Enerji Üreticinin Tasarımı ve Meteoroloji Ünitesine Uygulanması, 2012 - 2014
- KURT E., Yükseköğretim Kurumları Destekli Proje, DÜŞÜK HIZLI RÜZGAR UYGULAMALARI İÇİN ALTERNATÖR TASARIMI VE ROTOR ÜNİTESİNİN YAPIMI, 2011 - 2014
- KURT E., Yükseköğretim Kurumları Destekli Proje, Manyetik alan altında doğrusal-olmayan mekanik titreşimlerden elektrik enerjisi eldesi, 2010 - 2012
- Kurt E., Türk Çakır İ., Enerji ve Tabii Kaynaklar Bakanlığı, Hızlı nötronlarla radyo görüntüleme için plazma odak plazma

focus cihazı yapımı, 2006 - 2009

Kurt E., Öncü T., Enerji ve Tabii Kaynaklar Bakanlığı, Yeni Bir Atmosferik Plasma Jet Cihazı Tasarımı ve Yapımı, 2006 - 2009

Patent

Kurt E., Dursun B., Manyetik tanecikli manyetik olmayan akışkan içeren nüveli enerji hasat cihazı, Faydalı Model, BÖLÜM H Elektrik, Buluşun Tescil No: TR201907503Y , Standart Tescil, 2023

Kurt E., Dursun B., Gör H., ROTORU KANATÇIKLI ARAÇ ÜSTÜ ENERJİ HASAT CİHAZI, Patent, BÖLÜM H Elektrik, Buluşun Tescil No: 2019/21316 , Standart Tescil, 2019

Kurt E., Gör H., Ard nüveli üç fazlı eksenel ve radyal akılı yeni bir jeneratör., Patent, BÖLÜM A İnsan İhtiyaçları, Buluşun Tescil No: 2015 04164 , Standart Tescil, 2017

Kurt E., Kurt H. H., Gör H., TEK FAZLI BİR JENERATÖR, Patent, BÖLÜM H Elektrik, Buluşun Tescil No: 2013 13062 , Standart Tescil, 2017

Kurt E., Uzun Y., Farklı rüzgar hızlarında verimli şekilde elektrik enerjisi üretebilen manyetik piezoelektrik üreteç, Patent, BÖLÜM H Elektrik, Buluşun Tescil No: 2013 14706 , Standart Tescil, 2016

Kurt E., Arslan S., Çift rotorlu üçlü statorlu farklı şekildeki nüve uçları radyal ve açısız olarak farklı konumlandırılmış tek eksenli sürekli mıknatıslı jeneratör., Patent, BÖLÜM H Elektrik, Buluşun Tescil No: 2011 04467 , Standart Tescil, 2013

Bilimsel Dergilerdeki Faaliyetler

JOURNAL OF ENERGY SYSTEMS, Baş Editör, 2020 - Devam Ediyor

JOURNAL OF ENERGY MANAGEMENT AND TECHNOLOGY, Editörler Kurulu Üyesi, 2017 - Devam Ediyor

Energies, Özel Sayı Editörü, 2020 - 2021

TECHNOLOGY AND ECONOMICS OF SMART GRIDS AND SUSTAINABLE ENERGY, Özel Sayı Editörü, 2020 - 2021

Environmental Technology, Özel Sayı Editörü, 2020 - 2020

Proceedings Of The Institution Of Mechanical Engineers Part A-Journal Of Power And Energy, Özel Sayı Editörü, 2019 - 2019

International Journal of Renewable Energy Technology, Özel Sayı Editörü, 2019 - 2019

Journal Of Electronic Materials, Özel Sayı Editörü, 2018 - 2018

Journal Of Electronic Materials, Özel Sayı Editörü, 2017 - 2017

Journal Of Electronic Materials, Özel Sayı Editörü, 2016 - 2016

Renewable Energy, Özel Sayı Editörü, 2016 - 2016

International Journal of Informatics Technology, Baş Editör, 2014 - 2016

International Journal Of Hydrogen Energy, Özel Sayı Editörü, 2015 - 2015

Bilimsel Kuruluşlardaki Üyelikler / Görevler

IEEE, Üye, 2006 - Devam Ediyor , Amerika Birleşik Devletleri

Türk Bilim Araştırma Vakfı, Genel Sekreter, 2016 - 2018, Türkiye

Etkinlik Organizasyonlarındaki Görevler

Kurt E., 5. International Conference on Nuclear & Renewable Energy Resources, Bilimsel Kongre / Sempozyum Organizasyonu, Hefei, Çin, Eylül 2016

Kurt E., 3. European Conference on Renewable Energy Systems, Bilimsel Kongre / Sempozyum Organizasyonu, Antalya, Türkiye, Ekim 2015

Kurt E., 2. European Workshop on Renewable Energy Systems , Çalıştay Organizasyonu, Türkiye, Eylül 2013

Metrikler

Yayın: 257

Atıf (WoS): 916

Atıf (Scopus): 1107

H-İndeks (WoS): 18

H-İndeks (Scopus): 21

Kongre ve Sempozyum Katılımı Faaliyetleri

International Conference on Advances in Thermal Engineering and Applications, Davetli Konuşmacı, Chennai, Hindistan, 2021

Türkiye Atom Enerjisi Kurumu ulusal politika ve strateji belgesi çalıştay, Davetli Konuşmacı, Ankara, Türkiye, 2019

1. Ulusal Mühendislik ve Teknoloji Kongresi, Davetli Konuşmacı, Karaman, Türkiye, 2019

ECAI2019- ELECTRONICS COMPUTERS AND ARTIFICIAL INTELLIGENCE, Davetli Konuşmacı, Pitesti, Romanya, 2019

3. International Scientific Conference on Computer Science and Applied Mathematics, Davetli Konuşmacı, Almati, Kazakistan, 2018

International underground resources and energy conference, Davetli Konuşmacı, Yozgat, Türkiye, 2016

5th International Conference on Nuclear and Renewable Energy Resources, Davetli Konuşmacı, Hefei, Çin, 2016

ECAI 2016 - 8th International Conference on Electronics, Computers and Artificial Intelligence, Davetli Konuşmacı, Bucuresti, Romanya, 2016

Int. Conf. Engineering & MIS, Davetli Konuşmacı, İstanbul, Türkiye, 2015

3. International Conference on Information Processing and Electrical Engineering, Davetli Konuşmacı, Tebessa, Cezayir, 2014

6th International Conference on Electronics, Computers and Artificial Intelligence, Davetli Konuşmacı, Ploiesti, Romanya, 2014

Burslar

DFG-TÜBİTAK Ortak Araştırma Bursu, TÜBİTAK, 2006 - 2006

DFG - EU European Graduate College, Avrupa Birliği Komisyonu, 2001 - 2004

Yayıncılık Etkinlikleri

Kurt E., JOURNAL OF ENERGY SYSTEMS, Dergi Yayıncılığı, 2017 - Devam Ediyor

Akademi Dışı Deneyim

TÜRKİYE ATOM ENERJİSİ KURUMU

Sendika, Türkiye Kamu-Sen, Foreign Affairs