

## Prof.Dr. EROL KURT

### Kişisel Bilgiler

E-posta: ekurt@gazi.edu.tr

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

### 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 chairman to serial European Conference on Renewable Energy Systems (ECRES) and the guest editor for some reputable journals. He is the Editor-in-Chief to Journal of Energy Systems ([dergipark.org.tr/jes](http://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

Almanca, A2 Temel

İngilizce, C1 İleri

### 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

### Akademik Unvanlar / Görevler

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

Doç.Dr., Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2011 - Devam Ediyor  
Araştırma Görevlisi, Universitaet Bayreuth, Faculty Of Physics And Informatics, Physics, 2001 - 2004  
Araştırma Görevlisi, Gazi Üniversitesi, Fen Fakültesi, Fizik Bölümü, 1999 - 2001

## Mesleki Deneyim

Bölüm Başkan Yardımcısı, Gazi Üniversitesi, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, 2011 - Devam Ediyor  
Anabilim/Bilim Dalı Başkanı, Gazi Üniversitesi, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, 2009 - Devam Ediyor  
Erasmus Koordinatörü, Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2019 - 2019

## Verdiği Dersler

Elektromanyetik Alanların Bilgisayar Destekli Analizi, Doktora, 2017 - 2018  
ELEKTROMANYETİK ALAN TEORİSİ, Lisans, 2016 - 2017, 2017 - 2018  
Mezuniyet Tezi, Lisans, 2016 - 2017  
Elektrik Devrelerinde Kaos, Yüksek Lisans, 2016 - 2017

## Yönetilen Tezler

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., Güvenli veri iletimi için değiştirilmiş chua devresi yardımıyla tasarlanan renkli görüntü şifreleme sistemi uygulaması, Yüksek Lisans, B.ARPACI(Öğrenci), 2019  
KURT E., Yeni bir piezoelektrik rüzgar enerjisi hasatçısı tasarımı ve uygulaması, Doktora, D.ÖZHAN(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., Eksenel akıli jeneratörlerin tasarımı ve uygulaması, Doktora, H.GÖR(Öğrenci), 2014  
KURT E., Durağan elektrostatik hapsedme füzyon reaktörü tasarımı ve iyon davranışlarının belirlenmesi, Yüksek Lisans, B.DURSUN(Öğrenci), 2014  
KURT E., Periyodik manyetik alanlar etkisinde doğrusal olmayan titreşimlerden elektrik enerjisi üretimi, Doktora, Y.UZUN(Öğrenci), 2012  
KURT E., Düşük enerjili plazma odak füzyon cihazı yapımı ve nötronik ölçümler, Doktora, Y.AKGÜN(Öğrenci), 2010

## Jüri Üyelikleri

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

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

1. 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, ss.595-604, 2020 (SCI İndekslerine Giren Dergi)

- II. **Colored Image Encryption and Decryption with a New Algorithm and a Hyperchaotic Electrical Circuit**  
Arpacı B., KURT E., ÇELİK K., CİYLAN B.  
JOURNAL OF ELECTRICAL ENGINEERING & TECHNOLOGY, cilt.15, ss.1413-1429, 2020 (SCI İndekslerine Giren Dergi)
- III. **Wind turbine speed control of a contactless piezoelectric wind energy harvester**  
Celik E., KURT E., ÖZTÜRK N.  
INTERNATIONAL JOURNAL OF ELECTRONICS, cilt.107, ss.226-238, 2020 (SCI İndekslerine Giren Dergi)
- IV. **Effects of Aging and Environmental Factors on Performance of CdTe and CIS Thin-Film Photovoltaic Modules**  
DEMİRTAŞ M., Tamyurek B., KURT E., ÇETİNBAŞ İ., Ozturk M. K.  
JOURNAL OF ELECTRONIC MATERIALS, cilt.48, 2019 (SCI İndekslerine Giren Dergi)
- V. **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, 2019 (SCI İndekslerine Giren Dergi)
- VI. **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 İndekslerine Giren Dergi)
- VII. **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, 2019 (SCI İndekslerine Giren Dergi)
- VIII. **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 İndekslerine Giren Dergi)
- IX. **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, ss.809-823, 2018 (SCI İndekslerine Giren Dergi)
- X. **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, ss.4519-4532, 2018 (SCI İndekslerine Giren Dergi)
- XI. **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, ss.4412-4420, 2018 (SCI İndekslerine Giren Dergi)
- XII. **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, ss.4437-4443, 2018 (SCI İndekslerine Giren Dergi)
- XIII. **Analytical and experimental studies on a new linear energy harvester**  
KURT E., KALE M., Akbaba S., Bizon N.  
CANADIAN JOURNAL OF PHYSICS, cilt.96, ss.727-733, 2018 (SCI İndekslerine Giren Dergi)
- XIV. **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, 2018 (SCI İndekslerine Giren Dergi)

- XV. **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 İndekslerine Giren Dergi)
- XVI. **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, ss.1103-1120, 2018 (SCI İndekslerine Giren Dergi)
- XVII. **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, ss.18134-18144, 2017 (SCI İndekslerine Giren Dergi)
- XVIII. **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, ss.17559-17560, 2017 (SCI İndekslerine Giren Dergi)
- XIX. **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, ss.17645-17654, 2017 (SCI İndekslerine Giren Dergi)
- XX. **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, ss.17874-17885, 2017 (SCI İndekslerine Giren Dergi)
- XXI. **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, ss.17692-17699, 2017 (SCI İndekslerine Giren Dergi)
- XXII. **Experimental and Theoretical Explorations on the Buckling Piezoelectric Layer Under Magnetic Excitation**  
ÇELİK K., KURT E., UZUN Y.  
JOURNAL OF ELECTRONIC MATERIALS, cilt.46, ss.4003-4016, 2017 (SCI İndekslerine Giren Dergi)
- XXIII. **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, ss.17813-17822, 2017 (SCI İndekslerine Giren Dergi)
- XXIV. **An inverter design for a new permanent magnet synchronous generator**  
GÜLER N., IRMAK E., Gor H., KURT E.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, ss.17723-17732, 2017 (SCI İndekslerine Giren Dergi)
- XXV. **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 İndekslerine Giren Dergi)
- XXVI. **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 İndekslerine Giren Dergi)
- XXVII. **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, ss.3889-3899, 2016 (SCI İndekslerine Giren Dergi)
- XXVIII. **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, ss.12497-12511, 2016 (SCI İndekslerine Giren Dergi)
- XXIX. **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, ss.12512-12524, 2016 (SCI İndekslerine Giren Dergi)
- XXX. **Many-body solution to the D-2 gas filled inertial electrostatic confinement device**  
DURSUN B., KURT E.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, ss.12546-12554, 2016 (SCI İndekslerine Giren Dergi)
- XXXI. **Theoretical and Experimental Exploration of Breakdown Phenomena in an Argon-Filled GaP Device**  
KURT H. H., Tanriverdi E., KURT E.  
JOURNAL OF ELECTRONIC MATERIALS, cilt.45, ss.3970-3977, 2016 (SCI İndekslerine Giren Dergi)
- XXXII. **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, ss.12441-12442, 2016 (SCI İndekslerine Giren Dergi)
- XXXIII. **Energy and exergy analyses of a VVER type nuclear power plant**  
Terzi R., Tukenmez I., KURT E.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, ss.12465-12476, 2016 (SCI İndekslerine Giren Dergi)
- XXXIV. **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, ss.12485-12496, 2016 (SCI İndekslerine Giren Dergi)
- XXXV. **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, ss.483-492, 2016 (SCI İndekslerine Giren Dergi)
- XXXVI. **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, ss.7019-7026, 2016 (SCI İndekslerine Giren Dergi)
- XXXVII. **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, ss.7005-7018, 2016 (SCI İndekslerine Giren Dergi)
- XXXVIII. **Estimation of mechanical properties of welded S355J2+N steel via the artificial neural network**  
ATEŞ H., Dursun B., KURT E.  
SCIENTIA IRANICA, cilt.23, ss.609-617, 2016 (SCI İndekslerine Giren Dergi)
- XXXIX. **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, ss.15172-15178, 2015 (SCI İndekslerine Giren Dergi)
- XL. **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, ss.15267-15277, 2015 (SCI İndekslerine Giren Dergi)
- XLI. **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 İndekslerine Giren Dergi)
- XLII. **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 İndekslerine Giren Dergi)
- XLIII. **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 İndekslerine Giren Dergi)

- XLIV. **Electromagnetic Design and Simulation of a New Fusion Device**  
Dursun B., KURT E.  
ELEKTRONIKA IR ELEKTROTEHNIKA, cilt.20, ss.34-38, 2014 (SCI İndekslerine Giren Dergi)
- XLV. **Implementation of a New Contactless Piezoelectric Wind Energy Harvester to a Wireless Weather Station**  
Uzun Y., DEMİRBAŞ Ş., KURT E.  
ELEKTRONIKA IR ELEKTROTEHNIKA, cilt.20, ss.35-39, 2014 (SCI İndekslerine Giren Dergi)
- XLVI. **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 İndekslerine Giren Dergi)
- XLVII. **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 İndekslerine Giren Dergi)
- XLVIII. **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 İndekslerine Giren Dergi)
- XLIX. **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, ss.404-412, 2011 (SCI İndekslerine Giren Dergi)
- L. **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, ss.89-95, 2011 (SCI İndekslerine Giren Dergi)
- LI. **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, ss.775-792, 2011 (SCI İndekslerine Giren Dergi)
- LII. **BIFURCATIONS AND HYPERCHAOS FROM A DC DRIVEN NONIDENTICAL JOSEPHSON JUNCTION SYSTEM**  
KURT E., Canturk M.  
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, cilt.20, ss.3725-3740, 2010 (SCI İndekslerine Giren Dergi)
- LIII. **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, ss.2229-2237, 2009 (SCI İndekslerine Giren Dergi)
- LIV. **Ionization effects and linear stability in a coaxial plasma device**  
KURT E., Kurt H. H., Bayhan U.  
CENTRAL EUROPEAN JOURNAL OF PHYSICS, cilt.7, ss.123-129, 2009 (SCI İndekslerine Giren Dergi)
- LV. **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 İndekslerine Giren Dergi)
- LVI. **Lyapunov exponent as an indicator of phase transition in melting Pd-13 clusters**  
KURT E., Boyukata M., Guvenc Z. B.  
PHYSICA SCRIPTA, cilt.74, ss.353-361, 2006 (SCI İndekslerine Giren Dergi)
- LVII. **Nonlinear responses of a magnetoelastic beam in a step-pulsed magnetic field**  
KURT E.

NONLINEAR DYNAMICS, cilt.45, ss.171-182, 2006 (SCI İndekslerine Giren Dergi)

LVIII. **Nonlinearities from a non-autonomous chaotic circuit with a non-autonomous model of Chua's diode**  
KURT E.

PHYSICA SCRIPTA, cilt.74, ss.22-27, 2006 (SCI İndekslerine Giren Dergi)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Cogging Torque Minimization Using Skewed and Separated Magnet Geometries**  
Dalcali A., KURT E., Celik E., ÖZTÜRK N.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, cilt.23, ss.223-230, 2020 (ESCI İndekslerine Giren Dergi)
- II. **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, 2019 (ESCI İndekslerine Giren Dergi)
- III. **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-POLITEKNIK DERGISI, cilt.22, ss.1083-1092, 2019 (ESCI İndekslerine Giren Dergi)
- IV. **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 (Diğer Kurumların Hakemli Dergileri)
- V. **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, ss.7-13, 2019 (ESCI İndekslerine Giren Dergi)
- VI. **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, ss.123-128, 2019 (Diğer Kurumların Hakemli Dergileri)
- VII. **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 (Diğer Kurumların Hakemli Dergileri)
- VIII. **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, ss.77-84, 2018 (ESCI İndekslerine Giren Dergi)
- IX. **A numerical model for a Stirling engine**  
Alaraby A. S. , KURT E., Mohamed E. H. , Hancerliogullari A.  
Journal of Energy Systems, ss.1, 2018 (Diğer Kurumların Hakemli Dergileri)
- X. **Electromagnetic design of a new radial flux permanent magnet motor**  
Bouloukza I., Mourad M., KURT E., BAL G., Ökmen C.  
Journal of Energy Systems, cilt.2, 2018 (Diğer Kurumların Hakemli Dergileri)
- XI. **Computational characterization of an axial rotor fan**  
KURT E., DEMİRCİ M., FERNANDEZ GAMIZ U., İLBAŞ M., ZULUETA E., RAMOS HERNANZ J. A. , JOSE ANTONIO L. G.  
JOURNAL OF ENERGY SYSTEMS, cilt.1, ss.129-137, 2017 (Diğer Kurumların Hakemli Dergileri)
- XII. **THE EFFICIENCY ESTIMATION OF 900 MHZ RFENERGY HARVESTER USING ARTIFICIAL NEURALNETWORK**  
DURSUN B., UZUN Y., KURT E.  
Electrical and Electronics Engineering: An International Journal (ELELIJ), cilt.6, ss.17-23, 2017 (Diğer Kurumların Hakemli Dergileri)
- XIII. **A New Sweep Up/Down Phenomenon between the Chaotic and Regular Regions in a New R2L2D**

## **Circuit**

KURT E., Bingol C.

JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, cilt.19, ss.305-310, 2016 (ESCI İndekslerine Giren Dergi)

XIV. **ELECTRICAL AND OPTICAL EXPLORATIONS OF A NEW ATMOSPHERIC PLASMA DEVICE**

KURT E., Öncü T., KURT H. H.

Electronic Letters on ScienceEngineering, 2016 (Diğer Kurumların Hakemli Dergileri)

XV. **Development and characterization of semiconductor gas discharge microstructure.**

KURT H. H. , KURT E., salamov b.

FİZİKA, 2009 (Diğer Kurumların Hakemli Dergileri)

XVI. **Effect of periodic magnetic field to the dynamics of vibrating beam**

KURT E., KASAP R., ACAR S.

Mathematical Applications, cilt.2, ss.275-283, 2004 (Diğer Kurumların Hakemli Dergileri)

XVII. **Investigating the most appropriate parameters of the nonlinearresistor circuit time series**

KURT E., KASAP R.

J. Inst. Sci. Tech. Gazi Uni., cilt.14, ss.1261-1269, 2001 (Diğer Kurumların Hakemli Dergileri)

XVIII. **A comparison of chaotic circuits from a statistical approach**

KURT E., ACAR S., KASAP R.

Mathematical Computational Applications, cilt.3, ss.95-103, 2000 (Diğer Kurumların Hakemli Dergileri)

XIX. **Comparison of chaotic circuits from a statistical approach**

KURT E., ACAR S., Kasap R.

Mathematical and Computational Applications, cilt.5, ss.95-103, 2000 (Diğer Kurumların Hakemli Dergileri)

XX. **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, ss.193-199, 1998 (Diğer Kurumların Hakemli Dergileri)

XXI. **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, ss.193-199, 1998 (Diğer Kurumların Hakemli Dergileri)

## **Kitap & Kitap Bölümleri**

I. **Karmaşanın Bilimi: Kaos(Gözden Geçirilmiş, Genişletilmiş Baskı)**

KURT E., KASAP R.

Nobel, Ankara, 2020

II. **Fen ve Mühendislik için Fizik**

Yıldız D. E. , Kurt E., Kurt H. H.

Nobel Yayın Dağıtım, Ankara, 2017

III. **Energy Harvesting and Energy Efficiency (Lecture notes in energy)**

KURT E., Bizon N., Tabatabaei N. M. , Blaabjerg F.

Springer, Cham, 2017

IV. **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

V. **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

VI. **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

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. **KARMAŞANIN BİLİMİ KAOS**

KURT E., KASAP R.

NOBEL, Ankara, 2011

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **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
- II. **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
- III. **THE LOAD SHEDDING PREDICTION IN GECOL USING ARTIFICIAL 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
- IV. **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
- V. **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
- VI. **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
- VII. **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
- VIII. **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
- IX. **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
- X. **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
- XI. **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

- XII. **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
- XIII. **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
- XIV. **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
- XV. **ULUSAL STRATEJİ BELGESİ SUNUMU**  
KURT E.  
ulusal politika ve strateji belgesi çalıştayı, Ankara, Türkiye, 02 Aralık 2019
- XVI. **A Novel Wideband Circular Fractal Antenna for Energy Harvesting Applications**  
ÇELİK K., KURT E.  
International Symposium ISAECT 2019, Roma, İtalya, 27 - 29 Kasım 2019
- XVII. **Düşük Güç Enerji Kaynakları: Enerji Hasatçıları**  
KURT E.  
1. Ulusal Mühendislik ve Teknoloji Kongresi, Karaman, Türkiye, 17 - 19 Ekim 2019
- XVIII. **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
- XIX. **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
- XX. **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
- XXI. **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
- XXII. **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
- XXIII. **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
- XXIV. **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
- XXV. **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
- XXVI. **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

**XXVII. COMPARISON OF ELECTROMAGNETIC ENERGY HARVESTERS**

KURT E.

11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Pitesti, Romanya, 27 - 29 Haziran 2019

**XXVIII. A new algorithm for the coloured image encryption via the modified Chua'xxs circuit**

arpacı b., KURT E., ÇELİK K.

International Conference on Cyber Security and Computer Science, 18 - 20 Ekim 2018

**XXIX. Can chaos be eliminated from the quantum computers**

KURT E.

3. International Scientific Conference on Computer Science and Applied Mathematics, 26 - 29 Eylül 2018

**XXX. 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

**XXXI. 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

**XXXII. 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

**XXXIII. 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

**XXXIV. Effect of aging and environmental factors on performance of thin film photovoltaic modules: A comparative analysis**

DEMİRTAŞ M., TAMYÜREK B., KURT E., ÇETİNBAŞ İ.

6. European Conference on Renewable Energy Systems, 25 - 27 Haziran 2018

**XXXV. 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

**XXXVI. 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

**XXXVII. 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

**XXXVIII. 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

**XXXIX. 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

**XL. 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

- XLII. DESIGN, THEORY AND IMPLEMENTATION OF A NEW LINEAR ELECTROMAGNETIC HARVESTER**  
KURT E., KALE M., AKBABA S., BIZON N.  
33rd Int. Physics Congress, Bodrum, Türkiye, 6 - 10 Eylül 2017
- XLIII. 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
- XLIV. 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
- XLV. 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
- XLVI. DESIGN AND IMPLEMENTATION OF A NEW LINEAR ELECTROMAGNETIC HARVESTER**  
KURT E., AKBABA S., KALE M., BIZON N.  
5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, SARAYBOSNA, Bosna-Hersek, 27 - 30 Ağustos 2017
- XLVII. 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
- XLVIII. 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
- XLIX. EXPLORATION OF A PERMANENT MAGNET SYNCHRONOUS GENERATOR WITH COMPENSATED REACTANCE WINDINGS IN PARALLEL ROD CONFIGURATION**  
LYAN O., GUSEINOVIC E., PASILIS A., SENULIS A., KNOLIS A., KURT E.  
5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, SARAYBOSNA, Bosna-Hersek, 27 - 30 Ağustos 2017
- L. 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
- LI. 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
- LII. COMPUTATIONAL MODEL OF AN AXIAL FAN**  
FERNANDEZ GAMIZ U., DEMIRCI M., ZULUETA E., HERNANZ J. R., LOPEZ GUEDE J. M., KURT E.  
5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, SARAYBOSNA, 27 - 30 Ağustos 2017
- LIII. AIR FLOW REAL-TIME OPTIMIZATION STRATEGY FOR FUEL CELL HYBRID POWER SOURCES WITH FUEL FLOW BASED ON LOAD-FOLLOWING**  
Bizon N., KURT E., IANA G.  
5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, SARAYBOSNA, Bosna-Hersek, 27 - 30 Ağustos 2017

- LIII. 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
- LIV. 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
- LV. 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
- LVI. 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
- LVII. The Efficiency Estimation Of 900 MHZ Rf Energy Harvester Using Artificialneural 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
- LVIII. 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
- LIX. 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
- LX. 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
- LXI. 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
- LXII. Piezoelectrics as micro energy devices**  
KURT E.  
International underground resources and energy conference, 6 - 08 Ekim 2016
- LXIII. 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
- LXIV. 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
- LXV. 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
- LXVI. 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
- LXVII. **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, 28 - 31 Ağustos 2016
- LXVIII. **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
- LXIX. **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
- LXX. **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
- LXXI. **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
- LXXII. **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
- LXXIII. **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
- LXXIV. **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
- LXXV. **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
- LXXVI. **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
- LXXVII. **Electromagnetic optimization of a permanent magnet synchronous generator**  
KURT E., GÖR H.  
ECAI 2016 - 8th International Conference opn Electronics, Computers and Artificial Intelligence, 30 Haziran - 02 Temmuz 2016
- LXXVIII. **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
- LXXIX. **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
- LXXX. **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

- LXXXI. **THEORETICAL AND EXPERIMENTAL EXPLORATION OF BREAKDOWN PHENOMENA IN AN ARGON FILLED GaPDEVICE**  
Tanrıverdi E., KURT H. H. , KURT E.  
3 th European Conference on Renewable Energy Systems, Antalya, Türkiye, 7 - 10 Ekim 2015
- LXXXII. **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
- LXXXIII. **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
- LXXXIV. **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
- LXXXV. **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
- LXXXVI. **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
- LXXXVII. **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
- LXXXVIII. **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
- LXXXIX. **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
- XC. **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
- XCI. **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
- XCII. **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
- XCIII. **Chaotic Electrical Circuits and Their Engineering Applications**  
KURT E.  
Int. Conf. Engineering & MIS, 24 - 26 Eylül 2015
- XCIV. **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
- XCV. **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

**XCVI. 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

**XCVII. 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

**XCVIII. 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

**XCIX. 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

**C. 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

**CI. 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

**CII. 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, Istanbul, Turkey, Türkiye, 13 - 17 Mayıs 2013, ss.290-294

**CIII. Implementation and modeling of a piezoelastic pendulum under a harmonic magnetic excitation**

UZUN Y., KURT E.

11. international conference on applications of electrical engineering, 7 Ocak - 09 Mart 2012

**CIV. 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

**CV. 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

**CVI. 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

**CVII. Josephson eklem sisteminden elde edilen zaman serilerinin istatistiksel olarak incelenmesi**

KURT E., KASAP R.

18. İstatistik Araştırma Sempozyumu, Ankara, Türkiye, 01 Ocak 2009

**CVIII. Aynı zaman dizisi için farklı yaklaşımlarla yapılan Modellemeler üzerine bir inceleme**

KASAP R., KURT E.

İstatistik Sempozyumu 2000, Ankara, Türkiye, 01 Ocak 2000

**CIX. Pd13 topağının kaotik dinamiği**

KURT E., KASAP R.



III. Ulusal Atom ve Molekül Fiziği Sempozyumu, Erzurum, Türkiye, 01 Ocak 2000

CX. **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

## Patent

Kurt E., Gör H., Ard nüveli üç fazlı aksenel ve radyal akılı yeni bir jeneratör., Patent, BÖLÜM A İnsan İhtiyaçları, İlk Tescil, 2017

Kurt E., Kurt H. H. , Gör H., TEK FAZLI BİR JENERATÖR, Patent, BÖLÜM H Elektrik, İlk Tescil, 2017

Kurt E., Uzun Y., Farklı rüzgar hızlarında verimli şekilde elektrik enerjisi üretebilen manyetik piezoelektrik üreteç, Patent, BÖLÜM H Elektrik, İlk Tescil, 2016

Kurt E., Arslan S., Çift rotorlu üçlü statorlu farklı şekildeki nüve uçları radyal ve açısız olarak farklı konumlandırılmış tek aksenli sürekli mıknatıslı jeneratör., Patent, BÖLÜM H Elektrik, İlk Tescil, 2013

## Bilimsel Dergilerdeki Faaliyetler

JOURNAL OF ENERGY SYSTEMS, Baş Editör, 2017 - 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

## Davetli Kongre ve Sempozyum Faaliyetleri

Türkiye Atom Enerjisi Kurumu ulusal politika ve strateji belgesi çalıştay, Katılımcı, 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  
6th International Conference on Electronics, Computers and Artificial Intelligence, Davetli Konuşmacı, Ploiesti, Romanya, 2014

## **Atıflar**

Toplam Atıf Sayısı (WOS):539

h-indeksi (WOS):15