

Prof. EROL KURT

Personal Information

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International Researcher IDs

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Biography

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) and the member of Turkish Science Research Foundation (TUBAV).

Education Information

Doctorate, Universitaet Bayreuth, Physik und Mathematik, Germany 2001 - 2004

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 1998 - 2001

Undergraduate, Gazi University, Gazi Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1994 - 1998

Foreign Languages

English, C1 Advanced

German, A2 Elementary

Dissertations

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

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

Research Areas

Electromagnetic, MEMS, Gases, Plasmas and Electrical Discharges Physics, Nuclear Engineering and Nuclear Energy Studies

Academic Titles / Tasks

Professor, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2013 - Continues
Associate Professor, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2011 - 2013
Research Assistant, Universitaet Bayreuth, Faculty Of Physics And Informatics, Physics, 2001 - 2004
Research Assistant, Gazi University, Fen Fakültesi, Fizik, 1999 - 2001

Academic and Administrative Experience

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2019 - Continues
Erasmus Coordinator, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2019 - 2021
Birim Kalite Komisyonu Üyesi, Gazi University, 2019 - 2019
Deputy Head of Department, Gazi University, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, 2011 - 2012

Courses

Elektromanyetik Alanların Bilgisayar Destekli Analizi, Doctorate, 2017 - 2018
ELEKTROMANYETİK ALAN TEORİSİ, Undergraduate, 2017 - 2018, 2016 - 2017
Mezuniyet Tezi, Undergraduate, 2016 - 2017
Elektrik Devrelerinde Kaos, Postgraduate, 2016 - 2017

Advising Theses

Kurt E., Design And Implementation Of A Piezoelectric Wind Energy Harvester, Postgraduate, A.CEM(Student), 2021
Kurt E., Design And Implementation Of The Multi-Frequency Hybrid Energy Harvester, Doctorate, K.ÇELİK(Student), 2021
Kurt E., DESIGN AND IMPLEMENTATION OF A NEW MAGNETRON, Postgraduate, Y.YILDIZ(Student), 2021
İLBAŞ M., KURT E., Numerical And Experimental Investigation Of Heat Transfer In A Generator With 3 Phases Permanent Magnet, Doctorate, M.DEMİRCİ(Student), 2020
KURT E., Yeni bir yoğunlaştırıcı güneş enerjisi sistemi tasarımı ve stirling motor ve jeneratör birimlerinin uygulaması, Doctorate, S.ALARABIA(Student), 2019
KURT E., Yeni bir piezoelektrik rüzgar enerjisi hasatçısı tasarımı ve uygulaması, Doctorate, D.ÖZHAN(Student), 2019
KURT E., Güvenli veri iletimi için değiştirilmiş chua devresi yardımıyla tasarlanan renkli görüntü şifreleme sistemi uygulaması, Postgraduate, B.ARPACI(Student), 2019
KURT E., Bir direnç-iki bobin-iki diyotlu kaotik devre aracılığıyla güvenli imge iletişiminin araştırılması, Doctorate, K.MOHAMED(Student), 2018
KURT E., R2L2D devresinde kaos, eşzamanlılık ve güvenli haberleşmenin araştırılması, Postgraduate, C.BİNGÖL(Student), 2016
KURT E., The Design Of A New Permanent Magnet Axial And Radial Flux Generator With Rotor Back-Irons, Postgraduate, U.DÖNER(Student), 2016
KURT E., Design of an inertial electrostatic confinement fusion device and determination of ion behavior, Postgraduate, B.DURSUN(Student), 2014
KURT E., Design and implementation of axial flux generators, Doctorate, H.GÖR(Student), 2014
KURT E., Electricity generation via nonlinear vibrations under the effects of periodic magnetic fields, Doctorate,

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Gazi University, November, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Design and Implementation of a MHz Frequency Transformer with a Ferromagnetic Fluid Core**
KURT E., Hatem S.
Sustainability (Switzerland), vol.15, no.1, 2023 (SCI-Expanded)
- II. **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, vol.236, no.8, pp.1650-1659, 2022 (SCI-Expanded)
- III. **Design and implementation of a X Band 9 GHz cavity magnetron for microwave applications**
KURT E., Yildiz Y.
MEASUREMENT, vol.202, 2022 (SCI-Expanded)
- IV. **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, vol.236, no.5, pp.893-910, 2022 (SCI-Expanded)
- V. **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, vol.30, no.5, pp.1995-2012, 2022 (SCI-Expanded)
- VI. **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, vol.50, no.19-20, pp.1131-1142, 2022 (SCI-Expanded)
- VII. **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, vol.46, no.4, 2021 (SCI-Expanded)
- VIII. **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, vol.73, no.12, pp.4085-4090, 2021 (SCI-Expanded)
- IX. **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, vol.31, no.11, 2021 (SCI-Expanded)
- X. **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, vol.31, no.11, 2021 (SCI-Expanded)
- XI. **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, vol.13, no.14, 2021 (SCI-Expanded)
- XII. **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, vol.73, no.5, pp.1251-1260, 2021 (SCI-Expanded)
- XIII. **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, vol.23, no.3, pp.595-604, 2020 (SCI-Expanded)
- XIV. **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, vol.15, no.3, pp.1413-1429, 2020 (SCI-Expanded)
- XV. **Wind turbine speed control of a contactless piezoelectric wind energy harvester**
Celik E., KURT E., ÖZTÜRK N.
INTERNATIONAL JOURNAL OF ELECTRONICS, vol.107, no.2, pp.226-238, 2020 (SCI-Expanded)
- XVI. **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, vol.48, no.11, 2019 (SCI-Expanded)
- XVII. **Preface: special issue on Advances in Energy Explorations**
KURT E., Gömeç Ç., Kabdaşlı N. I.
ENVIRONMENTAL TECHNOLOGY, vol.41, no.1, pp.1, 2019 (SCI-Expanded)
- XVIII. **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, vol.12, no.14, 2019 (SCI-Expanded)
- XIX. **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, vol.150, pp.738-749, 2019 (SCI-Expanded)
- XX. **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, vol.29, no.1, 2019 (SCI-Expanded)
- XXI. **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, vol.179, pp.152-165, 2019 (SCI-Expanded)
- XXII. **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, vol.18, no.6, pp.809-823, 2018 (SCI-Expanded)
- XXIII. **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, vol.47, no.8, pp.4437-4443, 2018 (SCI-Expanded)
- XXIV. **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, vol.47, no.8, pp.4412-4420, 2018 (SCI-Expanded)

- XXV. **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, vol.47, no.8, pp.4519-4532, 2018 (SCI-Expanded)
- XXVI. **Analytical and experimental studies on a new linear energy harvester**
KURT E., KALE M., Akbaba S., Bizon N.
CANADIAN JOURNAL OF PHYSICS, vol.96, no.7, pp.727-733, 2018 (SCI-Expanded)
- XXVII. **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, vol.273, pp.72-83, 2018 (SCI-Expanded)
- XXVIII. **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, vol.11, no.4, 2018 (SCI-Expanded)
- XXIX. **Effects of Back Iron Components on Efficiency and Generated Power for New Wind Energy Generators**
GÖR H., KURT E.
ELECTRIC POWER COMPONENTS AND SYSTEMS, vol.46, no.10, pp.1103-1120, 2018 (SCI-Expanded)
- XXX. **Experimental and Theoretical Explorations on the Buckling Piezoelectric Layer Under Magnetic Excitation**
ÇELİK K., KURT E., UZUN Y.
JOURNAL OF ELECTRONIC MATERIALS, vol.46, no.7, pp.4003-4016, 2017 (SCI-Expanded)
- XXXI. **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, vol.42, no.28, pp.17559-17560, 2017 (SCI-Expanded)
- XXXII. **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, vol.42, no.28, pp.17645-17654, 2017 (SCI-Expanded)
- XXXIII. **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, vol.42, no.28, pp.17874-17885, 2017 (SCI-Expanded)
- XXXIV. **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, vol.42, no.28, pp.17692-17699, 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, vol.42, no.28, pp.18134-18144, 2017 (SCI-Expanded)
- XXXVI. **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, vol.42, no.28, pp.17813-17822, 2017 (SCI-Expanded)
- XXXVII. **An inverter design for a new permanent magnet synchronous generator**
GÜLER N., IRMAK E., Gor H., KURT E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.28, pp.17723-17732, 2017 (SCI-Expanded)
- XXXVIII. **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, vol.37, 2017 (SCI-Expanded)

- XXXIX. **Nonlinear Problems in Piezoelectric Harvesters Under Magnetic Field**
KURT E., UZUN Y.
ENERGY HARVESTING AND ENERGY EFFICIENCY: TECHNOLOGY, METHODS, AND APPLICATIONS, vol.37, pp.107-142, 2017 (SCI-Expanded)
- XL. **Many-body solution to the D-2 gas filled inertial electrostatic confinement device**
DURSUN B., KURT E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, no.29, pp.12546-12554, 2016 (SCI-Expanded)
- XLI. **Waveform characteristics and losses of a new double sided axial and radial flux generator**
GÖR H., KURT E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, no.29, pp.12512-12524, 2016 (SCI-Expanded)
- XLII. **Theoretical and Experimental Exploration of Breakdown Phenomena in an Argon-Filled GaP Device**
KURT H. H., Tanriverdi E., KURT E.
JOURNAL OF ELECTRONIC MATERIALS, vol.45, no.8, pp.3970-3977, 2016 (SCI-Expanded)
- XLIII. **Energy and exergy analyses of a VVER type nuclear power plant**
Terzi R., Tukenmez I., KURT E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, no.29, pp.12465-12476, 2016 (SCI-Expanded)
- XLIV. **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, vol.45, no.8, pp.3889-3899, 2016 (SCI-Expanded)
- XLV. **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, vol.41, no.29, pp.12441-12442, 2016 (SCI-Expanded)
- XLVI. **Design and control of a stand-alone hybrid power system**
Madaci B., Chenni R., KURT E., Hemsas K. E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, no.29, pp.12485-12496, 2016 (SCI-Expanded)
- XLVII. **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, vol.41, no.29, pp.12497-12511, 2016 (SCI-Expanded)
- XLVIII. **Particle Trajectories and Energy Distribution from a New IEC Fusion Device: A Many-Body Approach**
KURT E., DURSUN B.
JOURNAL OF FUSION ENERGY, vol.35, no.3, pp.483-492, 2016 (SCI-Expanded)
- XLIX. **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, vol.41, no.17, pp.7005-7018, 2016 (SCI-Expanded)
- L. **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, vol.41, no.17, pp.7019-7026, 2016 (SCI-Expanded)
- LI. **Estimation of mechanical properties of welded S355J2+N steel via the artificial neural network**
ATEŞ H., Dursun B., KURT E.
SCIENTIA IRANICA, vol.23, no.2, pp.609-617, 2016 (SCI-Expanded)
- LII. **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, vol.40, no.44, pp.15267-15277, 2015 (SCI-Expanded)
- LIII. **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, vol.40, no.44, pp.15172-15178, 2015 (SCI-Expanded)
- LIV. **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, vol.224, pp.119-130, 2015 (SCI-Expanded)
- LVI. **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, vol.43, pp.1114-1126, 2015 (SCI-Expanded)
- LVI. **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, vol.21, no.3, pp.935-944, 2014 (SCI-Expanded)
- LVII. **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, vol.77, pp.163-172, 2014 (SCI-Expanded)
- LVIII. **Implementation of a New Contactless Piezoelectric Wind Energy Harvester to a Wireless Weather Station**
Uzun Y., DEMİRBAŞ Ş., KURT E.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.20, no.10, pp.35-39, 2014 (SCI-Expanded)
- LIX. **Electromagnetic Design and Simulation of a New Fusion Device**
Dursun B., KURT E.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.20, no.8, pp.34-38, 2014 (SCI-Expanded)
- LX. **Performance exploration of an energy harvester near the varying magnetic field of an operating induction motor**
Uzun Y., KURT E.
ENERGY CONVERSION AND MANAGEMENT, vol.72, pp.156-162, 2013 (SCI-Expanded)
- LXI. **The effect of periodic magnetic force on a piezoelectric energy harvester**
Uzun Y., KURT E.
SENSORS AND ACTUATORS A-PHYSICAL, vol.192, pp.58-68, 2013 (SCI-Expanded)
- LXII. **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, vol.63, pp.55-62, 2012 (SCI-Expanded)
- LXIII. **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, vol.30, no.5, pp.404-412, 2011 (SCI-Expanded)
- LXIV. **A stationary multi-component cathode modeling and ion trajectories for an inertial electrostatic confinement fusion device**
KURT E.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.35, no.2, pp.89-95, 2011 (SCI-Expanded)
- LXV. **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, vol.30, no.2, pp.775-792, 2011 (SCI-Expanded)
- LXVI. **BIFURCATIONS AND HYPERCHAOS FROM A DC DRIVEN NONIDENTICAL JOSEPHSON JUNCTION SYSTEM**
KURT E., Canturk M.
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, vol.20, no.11, pp.3725-3740, 2010 (SCI-Expanded)
- LXVII. **Chaotic dynamics of resistively coupled DC-driven distinct Josephson junctions and the effects of circuit parameters**
KURT E., Canturk M.

- PHYSICA D-NONLINEAR PHENOMENA, vol.238, no.22, pp.2229-2237, 2009 (SCI-Expanded)
- LXVIII. **Ionization effects and linear stability in a coaxial plasma device**
KURT E., Kurt H. H., Bayhan U.
CENTRAL EUROPEAN JOURNAL OF PHYSICS, vol.7, no.1, pp.123-129, 2009 (SCI-Expanded)
- LXIX. **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, vol.13, pp.1321-1330, 2007 (SCI-Expanded)
- LXX. **Lyapunov exponent as an indicator of phase transition in melting Pd-13 clusters**
KURT E., Boyukata M., Guvenc Z. B.
PHYSICA SCRIPTA, vol.74, no.3, pp.353-361, 2006 (SCI-Expanded)
- LXXI. **Nonlinear responses of a magnetoelastic beam in a step-pulsed magnetic field**
KURT E.
NONLINEAR DYNAMICS, vol.45, pp.171-182, 2006 (SCI-Expanded)
- LXXII. **Nonlinearities from a non-autonomous chaotic circuit with a non-autonomous model of Chua's diode**
KURT E.
PHYSICA SCRIPTA, vol.74, no.1, pp.22-27, 2006 (SCI-Expanded)
- LXXIII. **Hydromagnetic convection in a rotating annulus with an azimuthal magnetic field**
KURT E., Busse F., Pesch W.
THEORETICAL AND COMPUTATIONAL FLUID DYNAMICS, vol.18, pp.251-263, 2004 (SCI-Expanded)
- LXXIV. **Effects of periodic magnetic field to the dynamics of vibrating beam**
KURT E., KASAP R., ACAR S.
Mathematical and Computational Applications, vol.9, no.2, pp.275-284, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **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, vol.6, no.3, pp.420-435, 2022 (Scopus)
- II. **The simulation of a new high frequency transformer**
Hatem S., KURT E.
Journal of Energy Systems, vol.6, no.2, pp.322-337, 2022 (Scopus)
- III. **TEMPERATURE ANALYSIS OF A FLAT SOLAR COLLECTOR USING ALUMINUM NANOFUIDS**
Kunelbayev M., Vyazigin S., KURT E.
JOURNAL OF MATHEMATICS MECHANICS AND COMPUTER SCIENCE, vol.114, no.2, pp.71-79, 2022 (ESCI)
- IV. **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, vol.6, no.1, 2021 (ESCI)
- V. **A new tool for energy security and secure energy communication**
KURT E., Arpacı B.
Journal of Energy Systems, vol.5, no.4, pp.376-389, 2021 (Scopus)
- VI. **Cogging Torque Minimization Using Skewed and Separated Magnet Geometries**
Dalcalı A., KURT E., Celik E., ÖZTÜRK N.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.23, no.1, pp.223-230, 2020 (ESCI)
- VII. **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, vol.22, no.4, pp.1083-1092, 2019 (ESCI)
- VIII. **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, vol.1, no.12, 2019 (ESCI)
- IX. **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, vol.3, pp.123-128, 2019 (Scopus)
- X. **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, vol.3, pp.51-66, 2019 (Scopus)
- XI. **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, vol.8, no.1, pp.7-13, 2019 (ESCI)
- XII. **Design optimization study of a torus type axial flux machine**
ARSLAN S., KURT E., Akizu O., LOPEZ GUEDE J. M.
Journal of Energy Systems, pp.43-56, 2018 (Scopus)
- XIII. **Improving the Efficiency of a Nuclear Power Plant Using A Thermoelectric Cogeneration System**
Terzi R., KURT E.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY DEVELOPMENT-IJRED, vol.7, no.1, pp.77-84, 2018 (ESCI)
- XIV. **A numerical model for a Stirling engine**
Alaraby A. S., KURT E., Mohamed E. H., Hancerliogullari A.
Journal of Energy Systems, pp.1, 2018 (Scopus)
- XV. **Electromagnetic design of a new radial flux permanent magnet motor**
Bouloukza I., Mourad M., KURT E., BAL G., Ökmen C.
Journal of Energy Systems, vol.2, no.1, 2018 (Scopus)
- XVI. **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, vol.1, no.1, pp.129-137, 2017 (Scopus)
- XVII. **THE EFFICIENCY ESTIMATION OF 900 MHZ RF ENERGY HARVESTER USING ARTIFICIAL NEURAL NETWORK**
DURSUN B., UZUN Y., KURT E.
Electrical and Electronics Engineering: An International Journal (ELELIJ), vol.6, no.3, pp.17-23, 2017 (Peer-Reviewed Journal)
- XVIII. **A New Sweep Up/Down Phenomenon between the Chaotic and Regular Regions in a New R2L2D Circuit**
KURT E., Bingol C.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.19, no.3, pp.305-310, 2016 (ESCI)
- XIX. **ELECTRICAL AND OPTICAL EXPLORATIONS OF A NEW ATMOSPHERIC PLASMA DEVICE**
KURT E., Öncü T., KURT H. H.
Electronic Letters on ScienceEngineering, 2016 (Peer-Reviewed Journal)
- XX. **Development and characterization of semiconductor gas discharge microstructure.**
KURT H. H., KURT E., salamov b.
FİZİKA, 2009 (Peer-Reviewed Journal)
- XXI. **Effect of periodic magnetic field to the dynamics of vibrating beam**
KURT E., KASAP R., ACAR S.
Mathematical Applications, vol.2, no.9, pp.275-283, 2004 (Peer-Reviewed Journal)
- XXII. **Investigating the most appropriate parameters of the nonlinear resistor circuit time series**
KURT E., KASAP R.
J. Inst. Sci. Tech. Gazi Uni., vol.14, no.4, pp.1261-1269, 2001 (Peer-Reviewed Journal)
- XXIII. **A comparison of chaotic circuits from a statistical approach**
KURT E., ACAR S., KASAP R.
Mathematical Computational Applications, vol.3, no.5, pp.95-103, 2000 (Peer-Reviewed Journal)

- XXIV. **Comparison of chaotic circuits from a statistical approach**
KURT E., ACAR S., Kasap R.
Mathematical and Computational Applications, vol.5, no.2, pp.95-103, 2000 (Peer-Reviewed Journal)
- XXV. **Comparison of chaotic circuits from a statistical approach**
KURT E., ACAR S., KASAP R.
Mathematical and Computational Applications, vol.5, no.2, pp.95-103, 2000 (Scopus)
- XXVI. **An investigation of chaos in the RL diode circuit using the BDS test**
Kasap R., KURT E.
Journal of Applied Mathematics and Decision Sciences, vol.2, no.2, pp.193-199, 1998 (Peer-Reviewed Journal)
- XXVII. **An investigation of chaos in RL-diode circuit by using the BDS test**
KASAP R., KURT E.
Journal of Applied Mathematics Decision Sciences, vol.2, no.2, pp.193-199, 1998 (Peer-Reviewed Journal)
- XXVIII. **An investigation of chaos in the RL-diode circuit using the BDS test**
KASAP R., KURT E.
Journal of Applied Mathematics and Decision Sciences, vol.2, no.2, pp.193-199, 1998 (Scopus)

Books & Book Chapters

- I. **Theoretical Techniques for the Exploration of Piezoelectric Harvesters**
Kurt E., Kurt H. H.
in: Numerical Methods for Energy Applications, Naser Mahdevi Tabetabai, Nicu Bizon, Editor, Springer, London/Berlin , Basel, pp.467-488, 2021
- II. **Theoretical Techniques for the Exploration of Piezoelectric Harvesters**
Kurt E., Kurt H. H.
in: Numerical Methods for Energy Applications, Naser Mahdavi Tabatabaei and Nicu Bizon, Editor, Springer Nature, Berlin, pp.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.
in: Energy Harvesting and Energy Efficiency, Bizon, N., Mahdavi Tabatabaei, N., Blaabjerg, F., Kurt, E., Editor, Springer, pp.107-142, 2017
- VII. **Yer Çekimi**
KURT E.
in: Fen ve Mühendisler için Fizik, D. Esra yıldız, Erol Kurt, H. Hilal Kurt , Editor, Nobel akademik Yayıncılık, Ankara, pp.160-168, 2015
- VIII. **Titreşimler**
KURT E.
in: Fen ve Mühendislik için Fizik, D. Esra Yıldız, Erol Kurt, H. Hilal Kurt, Editor, Nobel Akademik yayıncılık, Ankara, pp.150-159, 2015
- IX. **Akışkanlar**
KURT E.
in: Fen ve Mühendislik için Fizik, D. Esra Yıldız, Erol Kurt, H. Hilal Kurt, Editor, Nobel akademik yayıncılık, Ankara,

pp.169-177, 2015

- X. **Bölüm 20 Elektrik Alanlar; Bölüm 21 Gauss Yasası; Bölüm 22 Elektriksel Potansiyel**
YILDIZ D. E., Aydođru S. y., KURT H. H., ŞAFAK ASAR Y., Hacıismailođlu M. C., KURT E., AKIN B., BÖLÜKDEMİR M. H.,
KARADAĞ F., EKİCİBİL A., et al.
in: Fen ve mühendislik için fizik, Esra Yıldız, Erol Kurt, H.Hilal Kurt, Editor, Nobel Yayınevi, Ankara, pp.223-252,
2015
- XI. **Karmaşanın Bilimi Kaos**
Kurt E., Kasap R.
Nobel Yayın Dağıtım, Ankara, 2011

Refereed Congress / Symposium Publications in Proceedings

- I. **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, Malaysia, 12 - 13 June 2021
- II. **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, Turkey, 24 August 2020
- III. **ALGEBRAIC MODELING OF A NEW ELECTROMAGNETIC MECHANICAL VIBRATION ENERGY HARVESTING**
KURT E., Issimova A., Medetov B.
8. European Conference on Renewable Energy Systems, İstanbul, Turkey, 24 - 25 August 2020
- IV. **NAVIER-STOKES-MAXWELL EQUATIONS FOR MHD EFFECTS WITH TURBULENT FLOW IN ADVANCED ARIES-RS FUSİON 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, Turkey, 24 - 25 August 2020
- V. **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, Turkey, 24 - 25 August 2020
- VI. **THD ANALYSIS FOR A PMSG WITH DIFFERENT MAGNET STRUCTURE**
DALCALI A., KURT E.
8. European Conference on Renewable Energy Systems, İstanbul, Turkey, 24 - 25 August 2020
- VII. **THE EFFECT OF CATHODE CAVITIES TO THE MODES OF A CAVITY MAGNETRON**
yıldız y., KURT E.
8. European Conference on Renewable Energy Systems, İstanbul, Turkey, 24 - 25 August 2020
- VIII. **HIGH TEMPERATURE LEAD ACID BATTERY SOC AND SOH CHARACTERIZATION BASED ON ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY DATA**
olarte j., ZULUETA E., ferret r., KURT E., de llarduya J. M., LOPEZ GUEDE J. M.
8. European Conference on Renewable Energy systems, İstanbul, Turkey, 24 - 25 August 2020
- IX. **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, Turkey, 24 - 25 August 2020
- X. **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, Turkey, 24 - 25 August 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, Turkey, 24 - 25 August 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), İstanbul, Turkey, Turkey, 12 - 13 June 2020

XIII. **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, Turkey, 7 - 10 November 2019

XIV. **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, Turkey, 7 - 10 November 2019

XV. **ULUSAL STRATEJİ BELGESİ SUNUMU**

KURT E.

ulusal politika ve strateji belgesi çalıştayı, Ankara, Turkey, 02 December 2019

XVI. **A Novel Wideband Circular Fractal Antenna for Energy Harvesting Applications**

ÇELİK K., KURT E.

International Symposium ISAECT 2019, Roma, Italy, 27 - 29 November 2019

XVII. **Düşük Güç Enerji Kaynakları: Enerji Hasatçıları**

KURT E.

1. Ulusal Mühendislik ve Teknoloji Kongresi, Karaman, Turkey, 17 - 19 October 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, Turkey, 26 - 27 August 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 August 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, Turkey, 10 - 12 June 2019, pp.420-428

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HANÇERLİOĞULLARI A., KURT E., SHUFAT S.

7. EUROPEAN conference on renewable energy systems, Madrid, Spain, 10 - 12 June 2019

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7. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, Madrid, Spain, 10 - 12 June 2019

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7. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, Madrid, Spain, 10 - 12 June 2019

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7. european conference on renewable energy systems, Madrid, Spain, 10 - 12 June 2019

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İLBAŞ M., demirci m., KURT E.

7. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, Madrid, Spain, 10 - 12 June 2019

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KURT E.
11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Pitesti, Romania, 27 - 29 June 2019
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ÇELİK K., KURT E.
International Symposium on Advanced Electrical and Communication Technologies (ISAECT), Rome, Italy, 27 - 29 November 2019
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arpacı b., KURT E., ÇELİK K.
International Conference on Cyber Security and Computer Science, 18 - 20 October 2018
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KURT E.
3. International Scientific Conference on Computer Science and Applied Mathematics, 26 - 29 September 2018
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DALCALI A., KURT E., ÇELİK E., ÖZTÜRK N.
THE 6TH EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, İstanbul, Turkey, 25 - 27 June 2018
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Alaraby A. S., KURT E., Mohamed E. H., Hancerliogullari A.
6. European Conference on Renewable Energy Systems, 25 - 27 June 2018
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DEMİRTAŞ M., KURT E.
6. European Conference on Renewable Energy Systems, 25 - 27 June 2018
- XXXIII. **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 June 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 June 2018
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Bizon N., LOPEZ GUEDE J. M., KURT E.
6. European Conference on Renewable Energy Systems, 25 - 27 June 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, Turkey, 25 - 27 June 2018, pp.1358-1368
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DURSUN B., KURT E.
6. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, 25 - 27 July 2018, pp.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 June 2018, pp.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, Turkey, 25 - 26 April 2018, pp.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, Bosnia And Herzegovina, 27 - 30 August 2017
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KURT E., KALE M., AKBABA S., BIZON N.
33rd Int. Physics Congress, Bodrum, Turkey, 6 - 10 September 2017
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KURT E., DURSUN B., KURT H. H.
6. Bozok Bilim Çalıştayı, Yozgat, Turkey, 23 - 25 August 2017
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EL HADAD K., KURT E., HANÇERLİOĞULLARI A.
International Conf. on Advanced Engineering Tech., 21 - 23 September 2017
- XLV. 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, Bosnia And Herzegovina, 27 - 30 August 2017
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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 August 2017
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5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, SARAYBOSNA, Bosnia And Herzegovina, 27 - 30 August 2017
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SHUFAT S., KURT E., ÇINAR C., AKSOY F., HANÇERLİOĞULLARI A.
5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, 27 - 30 August 2017
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5. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, 27 - 30 August 2017
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Lopez Guede J. M., Ramos Hernanz J., ALTIN N., ÖZDEMİR Ş., KURT E., Azkune G.
European Conference on Renewable Energy Systems, Saraybosna, Bosnia And Herzegovina, 27 - 30 August 2017, pp.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, Bosnia And Herzegovina, 28 - 30 August 2017, pp.172-180
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DURSUN B., UZUN Y., KURT E.
Fourth International Conference on Information Technology, Control, Chaos, Modeling and Applications (ITCCMA-2017), 27 - 28 May 2017, pp.17-23
- LVIII. **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, Spain, 19 - 21 October 2016, vol.527, pp.758-765
- LIX. **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, Latvia, 12 - 13 October 2017
- 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, Latvia, 12 - 13 October 2017
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KURT E., Öncü t., KURT H. H.
BSW2016 5. Bozok Science Workshop, Turkey, 28 - 29 April 2016
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International underground resources and energy conference, 6 - 08 October 2016
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WITAM 2016 2nd International Congress on the World of Technology and Advanced Materials, 28 September - 02 October 2016
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- 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, İstanbul, Turkey, 28 - 31 August 2016
- LXVIII. **Electromagnetic Analysis of a Single Phase Grid Interactive Inverter**
KURT E., Sarikahya M. N., Sarikahya M., ALTIN N.
4th European Conference on Renewable Energy Systems, ECRES 2016, İstanbul, Turkey, 28 - 31 August 2016, pp.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 August 2016
- LXX. **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 August 2016
- LXXI. **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 August 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 August 2016
- LXXIII. **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 August 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 August 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 August 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 August 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 June - 02 July 2016
- LXXVIII. **Çok cisim yaklaşımıyla yatay manyetik alan altında parçacıkların davranışı**
KURT E., DURSUN B., KURT H. H.
23. İstatistiksel Fizik Günleri, Turkey, 23 - 24 June 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, Romania, 30 June - 02 July 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, Turkey, 24 - 26 September 2015
- LXXXI. **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, Turkey, 7 - 10 October 2015
- LXXXII. **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, Turkey, 7 - 10 October 2015
- LXXXIII. **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, Turkey, 7 - 10 October 2015
- LXXXIV. **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, Turkey, 7 - 10 October 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, Turkey, 7 - 10 October 2015, pp.1-11
- LXXXVI. **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, Turkey, 7 - 10 October 2015
- LXXXVII. **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, Turkey, 7 - 10 October 2015
- LXXXVIII. **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, Turkey, 7 - 10 October 2015
- LXXXIX. **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, Turkey, 7 - 10 October 2015
- XC. **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 October 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, Turkey, 4 - 08 October 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, Turkey, 4 - 08 October 2015
- XCIII. **Chaotic Electrical Circuits and Their Engineering Applications**
KURT E.
Int. Conf. Engineering & MIS, 24 - 26 September 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, France, 1 - 03 June 2015

- XCIV. **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, United Arab Emirates, 24 - 26 November 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, United Arab Emirates, 24 - 26 November 2015
- XCVII. **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, Spain, 24 - 26 June 2015
- XCVIII. **Control System Approach to the Dynamics of Nonidentical Josephson Junction Systems**
Stork M., KURT E.
International Conference on Applied Electronics (AE), Pilsen, Czech Republic, 8 - 09 September 2015, pp.233-238
- XCIX. **Effects of Nonlinearities in a Magneto-piezoelectric System**
KURT E., UZUN Y.
6th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Pitesti, Romania, 23 - 25 October 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, Romania, 23 - 25 October 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 August 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, Turkey, 13 - 17 May 2013, pp.290-294
- CIII. **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 January - 09 March 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 October 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, Spain, 11 - 13 May 2011, pp.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 September 2010, pp.29
- CVII. **Josephson eklem sisteminden elde edilen zaman serilerinin istatistiksel olarak incelenmesi**
Kurt E., Kasap R.
18. İstatistik Araştırma Sempozyumu, Ankara, Turkey, 01 January 2009, pp.1-2
- CVIII. **Pd13 topağının kaotik dinamiği**
Kurt E., Kasap R.

- III. Ulusal Atom ve Molekül Fiziği Sempozyumu, Erzurum, Turkey, 01 January 2000, pp.1-2
- CIX. **Aynı zaman dizisi için farklı yaklaşımlarla yapılan Modellemeler üzerine bir inceleme**
Kasap R., Kurt E.
İstatistik Sempozyumu 2000, Ankara, Turkey, 01 January 2000, pp.1-3
- CX. **KANADA VAŞAĞI ZAMAN DİZİSİNE AİT MODELLERİN YENİDEN İNCELENMESİ**
KASAP R., KURT E.
Araştırma Sempozyumu'99, Ankara, Turkey, 22 November 1999
- CXI. **A nonlinearity analyze of the nonlinear resistor circuit using a statistical test**
Kurt E., Acar S., Kasap R.
VI. Statistical Physics Days, İstanbul, Turkey, 01 January 1999, pp.1-2

Supported Projects

- KURT E., ÇELİK K., Project Supported by Higher Education Institutions, Çoklu frekanslı bir Hibrit enerji harmanlayıcının tasarımı ve Uygulaması, 2020 - 2021
- KURT E., YILDIZ Y., Project Supported by Higher Education Institutions, Yeni bir magnetron tasarımı ve uygulaması, 2019 - 2021
- Kurt E., Gör H., TUBITAK Project, Çift Rotorlu Parçalı Nüveli Yeni Bir Rüzgar Enerjisi Jeneratörü Tasarımı Ve Üretimi, 2017 - 2019
- KURT E., Project Supported by Other Official Institutions, Deprem erken Uyarı Sistemi, 2017 - 2018
- Kurt E., Erasmus Project, Innovative European Studies on Renewable Energy Systems, 2015 - 2018
- KURT E., TUBITAK Project, Yeni bir yüksek manyetik akı yoğunluklu elektromanyetik üreteç, 2017 - 2017
- KURT E., Project Supported by Higher Education Institutions, Tasarruflu lambaların şebeke üzerindeki bozucu etkilerinin azaltılması, 2015 - 2017
- KURT E., Project Supported by Higher Education Institutions, Eksenel ve radyal akılı sürekli mıknatıslı yeni bir jeneratörün elektromanyetik tasarımı ve simülasyonu, 2016 - 2016
- KURT E., TUBITAK Project, Çok amaçlı enkaz arama robotu ARABOT, 2015 - 2016
- KURT E., TUBITAK Project, 114E017 Çoklu Doğal Frekanslı Temassız Piezoelektrik Enerji Üretici Modellemesi ve Rüzgar Enerjisi Uygulaması, 2014 - 2016
- KURT E., TUBITAK Project, Çok Fonksiyonlu Robot Kolu Tasarımı ve Yapımı, 2014 - 2015
- Kurt E., Erasmus Project, European Workshop on Renewable Energy Systems, 2013 - 2014
- KURT E., Project Supported by Higher Education Institutions, Rüzgardan Elektrik Enerjisi Üreten Manyetik Piezoelektrik Enerji Üreticinin Tasarımı ve Meteoroloji Ünitesine Uygulanması, 2012 - 2014
- KURT E., Project Supported by Higher Education Institutions, DÜŞÜK HIZLI RÜZGAR UYGULAMALARI İÇİN ALTERNATÖR TASARIMI VE ROTOR ÜNİTESİNİN YAPIMI, 2011 - 2014
- KURT E., Project Supported by Higher Education Institutions, Manyetik alan altında doğrusal-olmayan mekanik titreşimlerden elektrik enerjisi eldesi, 2010 - 2012
- Kurt E., Türk Çakır İ., Energy and Natural Resources Ministry, Hızlı nötronlarla radyo görüntüleme için plazma odak plazma focus cihazı yapımı, 2006 - 2009
- Kurt E., Öncü T., Energy and Natural Resources Ministry, Yeni Bir Atmosferik Plazma Jet Cihazı Tasarımı ve Yapımı, 2006 - 2009

Patent

- Kurt E., Dursun B., Gör H., ROTORU KANATÇIKLI ARAÇ ÜSTÜ ENERJİ HASAT CİHAZI, Patent, CHAPTER H Electricity, The Invention Registration Number: 2019/21316 , Standard Registration, 2019
- Kurt E., Gör H., Ard nüveli üç fazlı eksenel ve radyal akılı yeni bir jeneratör., Patent, CHAPTER A Human Needs, The Invention Registration Number: 2015 04164 , Standard Registration, 2017
- Kurt E., Kurt H. H., Gör H., TEK FAZLI BİR JENERATÖR, Patent, CHAPTER H Electricity, The Invention Registration

Number: 2013 13062 , Standard Registration, 2017

Kurt E., Uzun Y., Farklı rüzgar hızlarında verimli şekilde elektrik enerjisi üretebilen manyetik piezoelektrik üreteç, Patent, CHAPTER H Electricity, The Invention Registration Number: 2013 14706 , Standard Registration, 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, CHAPTER H Electricity, The Invention Registration Number: 2011 04467 , Standard Registration, 2013

Activities in Scientific Journals

JOURNAL OF ENERGY SYSTEMS, First Editor, 2020 - Continues

JOURNAL OF ENERGY MANAGEMENT AND TECHNOLOGY, Committee Member, 2017 - Continues

Energies, Special Issue Editor, 2020 - 2021

TECHNOLOGY AND ECONOMICS OF SMART GRIDS AND SUSTAINABLE ENERGY, Special Issue Editor, 2020 - 2021

Environmental Technology, Special Issue Editor, 2020 - 2020

Proceedings Of The Institution Of Mechanical Engineers Part A-Journal Of Power And Energy, Special Issue Editor, 2019 - 2019

International Journal of Renewable Energy Technology, Special Issue Editor, 2019 - 2019

Journal Of Electronic Materials, Special Issue Editor, 2018 - 2018

Journal Of Electronic Materials, Special Issue Editor, 2017 - 2017

Journal Of Electronic Materials, Special Issue Editor, 2016 - 2016

Renewable Energy, Special Issue Editor, 2016 - 2016

International Journal of Informatics Technology, First Editor, 2014 - 2016

International Journal Of Hydrogen Energy, Special Issue Editor, 2015 - 2015

Memberships / Tasks in Scientific Organizations

IEEE, Member, 2006 - Continues, United States Of America

Türk Bilim Araştırma Vakfı, Secretary General, 2016 - 2018, Turkey

Tasks In Event Organizations

Kurt E., 5. International Conference on Nuclear & Renewable Energy Resources, Scientific Congress, Hefei, China, Eylül 2016

Kurt E., 3. European Conference on Renewable Energy Systems, Scientific Congress, Antalya, Turkey, Ekim 2015

Kurt E., 2. European Workshop on Renewable Energy Systems , Workshop Organization, Turkey, Eylül 2013

Metrics

Publication: 228

Citation (WoS): 778

Citation (Scopus): 981

H-Index (WoS): 17

H-Index (Scopus): 20

Congress and Symposium Activities

International Conference on Advances in Thermal Engineering and Applications, Invited Speaker, Chennai, India, 2021

Türkiye Atom Enerjisi Kurumu ulusal politika ve strateji belgesi çalıştay, Invited Speaker, Ankara, Turkey, 2019

1. Ulusal Mühendislik ve Teknoloji Kongresi, Invited Speaker, Karaman, Turkey, 2019

ECAI2019- ELECTRONICS COMPUTERS AND ARTIFICIAL INTELLIGENCE, Invited Speaker, Pitesti, Romania, 2019

3. International Scientific Conference on Computer Science and Applied Mathematics, Invited Speaker, Almati, Kazakhstan, 2018

International underground resources and energy conference, Invited Speaker, Yozgat, Turkey, 2016

5th International Conference on Nuclear and Renewable Energy Resources, Invited Speaker, Hefei, China, 2016

ECAI 2016 - 8th International Conference on Electronics, Computers and Artificial Intelligence, Invited Speaker, Bucuresti, Romania, 2016

Int. Conf. Engineering & MIS, Invited Speaker, İstanbul, Turkey, 2015

3. International Conference on Information Processing and Electrical Engineering, Invited Speaker, Tebessa, Algeria, 2014

6th International Conference on Electronics, Computers and Artificial Intelligence, Invited Speaker, Ploiesti, Romania, 2014

Scholarships

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

DFG - EU European Graduate College, European Commission, 2001 - 2004

Visual Activities

Kurt E., JOURNAL OF ENERGY SYSTEMS, Journal Publishing, 2017 - Continues

Non Academic Experience

Union, Türkiye Kamu-Sen, Foreign Affairs