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Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Eğitim Bilgileri

Doktora, University of Edinburgh, Institute For Energy Systems, Birleşik Krallık 2009 - 2014

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 2005 - 2008

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 2000 - 2005

Yaptığı Tezler

Doktora, Superconducting Generators for Large Offshore Wind Turbines, University Of Edinburgh, Institute For Energy Systems, 2013

Yüksek Lisans, A non-invasive speed and position sensor for induction machines using external search coils, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2008

Araştırma Alanları

Yenilenebilir Enerji, Güç Elektroniği, Elektrik Makineleri Kuramı ve Tasarımı, Elektrik Motoru Sürücüler, Güç Çevirgeçleri

Akademik Unvanlar / Görevler

Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik ve Elektronik Mühendisliği Bölümü, 2020 - Devam Ediyor

Yrd.Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik ve Elektronik Mühendisliği Bölümü, 2014 - 2018

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik ve Elektronik Mühendisliği Bölümü, 2005 - 2009

Akademik İdari Deneyim

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, 2016 - Devam Ediyor
Dekan Danışmanı, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, 2015 - Devam Ediyor
Bölüm Başkan Yardımcısı, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, 2018 - 2019

Verdiği Dersler

STATIC POWER CONVERSION I, Lisans, 2018 - 2019
DESIGN OF ELECTRICAL MACHINES, Yüksek Lisans, 2017 - 2018
STATIC POWER CONVERSION II, Lisans, 2017 - 2018
ELECTROMECHANICAL ENERGY CONVERSION I, Lisans, 2018 - 2019

Yönetilen Tezler

KEYSAN O., Analytical modelling and multi-objective optimization of axial-flux permanent magnet machine with various PCB stators and development of a gan switched integrated motor drive PCB motor, Yüksek Lisans, F.TOKGÖZ(Öğrenci), 2022
KEYSAN O., Concurrent operation of wireless power transfer based contactless slip ring and motor drive system with a single converter, Yüksek Lisans, E.AYAZ(Öğrenci), 2022
KEYSAN O., Fault tolerant control of a dual-three-phase electrical machine with predictive current control and reduced computation burden, Yüksek Lisans, H.SARAÇ(Öğrenci), 2022
KEYSAN O., Investigation of parallel-connected GaN E-HEMT VSI-based servo drives, Doktora, H.YÜRÜK(Öğrenci), 2022
KEYSAN O., Optimum bidding strategy for wind and solar power plants in day-ahead electricity market, Doktora, M.ÖZCAN(Öğrenci), 2021
KEYSAN O., Analysis and fault tolerant control of a five-phase axial flux permanent magnet synchronous machine, Yüksek Lisans, G.HANDE(Öğrenci), 2021
KEYSAN O., Transient modeling techniques for the analysis of electromagnetic launchers, Yüksek Lisans, N.TOSUN(Öğrenci), 2021
KEYSAN O., 1kW contactless slip ring design using series-series resonant converter topology, Yüksek Lisans, H.POLAT(Öğrenci), 2021
KEYSAN O., Model predictive torque control of an induction motor enhanced with an inter-turn short circuit fault detection feature, Doktora, İ.SAHİN(Öğrenci), 2021
Keysan O., Axial flux permanent magnet machine with novel flat winding made of conductor sheet, Yüksek Lisans, G.ÇAKAL(Öğrenci), 2020
Keysan O., Characterization of GaN transistors and development of bi-directional DC/DC converter with half-bridge having short circuit protection for parallel switches, Yüksek Lisans, F.KARAKAYA(Öğrenci), 2020
KEYSAN O., Değişken hızlı yüksek güç yoğunluklu cer motoru., Yüksek Lisans, S.Koushan(Öğrenci), 2020
KEYSAN O., Hybrid excited synchronous generator design and comparison of direct drive wind turbines, Yüksek Lisans, A.AKGEMCİ(Öğrenci), 2019
Keysan O., Proton irradiation and gamma-ray irradiation testing studies on the commercial grade ganfets to investigate their characteristics under the space radiation environment, Yüksek Lisans, L.BOYACI(Öğrenci), 2019
Keysan O., Grid impedance estimation based adaptive controller design for back-to-back wind turbine power converters for stable operation in distorted and weak grid, Yüksek Lisans, H.TEMİZ(Öğrenci), 2019
Keysan O., Limited-jerk sinusoidal trajectory design for field oriented control of permanent magnet synchronous motors with H-infinity optimal controller, Yüksek Lisans, M.KAAN(Öğrenci), 2019
KEYSAN O., Investigation of inertial support limits in wind turbines and the effects on the power system stability, Yüksek Lisans, E.DUYMAZ(Öğrenci), 2019
Keysan O., Condition monitoring and fault diagnosis of electrical motor drive systems, Yüksek Lisans, A.DEMİREL(Öğrenci), 2019

KEYSAN O., H-sonsuz optimum kontrolcü kullanılan sabit mıknatıslı senkron motorların vektör kontrolüne sarsım limitli sünüoidal yörünge tasarımı, Yüksek Lisans, M.Kaan(Öğrenci), 2019

KEYSAN O., Reducing the cost of electric transmission and distribution systems with wind generation by means of energy storage and demand side management, Yüksek Lisans, M.BİLDİRİCİ(Öğrenci), 2018

KEYSAN O., Design of a modular, axial-flux direct drive permanent magnet generator for wind turbines, Yüksek Lisans, A.BAŞKAYA(Öğrenci), 2018

KEYSAN O., Electromagnetic simulation and optimization of an electromagnetic launcher, Yüksek Lisans, D.CEYLAN(Öğrenci), 2018

KEYSAN O., Improvement of the electric field distribution in the medium voltage gas insulated inductive voltage transformers, Yüksek Lisans, M.VAR(Öğrenci), 2017

KEYSAN O., Design and implementation of an unregulated DC-DC transformer module using LLC resonant converter, Yüksek Lisans, Ö.ŞAHİN(Öğrenci), 2016

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Non-invasive real-time diagnosis of PMSM faults implemented in motor control software for mission critical applications**
Demirel A., KEYSAN O., El-Dalahmeh M., Al-Greer M.
Measurement: Journal of the International Measurement Confederation, cilt.232, 2024 (SCI-Expanded)
- II. **Ripple Minimization in Asymmetric Interleaved DC-DC Converters Using Neural Networks**
Alemdar O. S., Oner M. U., ALTUN O., KEYSAN O.
IEEE Transactions on Power Electronics, cilt.39, sa.3, ss.3411-3421, 2024 (SCI-Expanded)
- III. **Optimal sizing of battery energy storage system for a large-scale offshore wind power plant considering grid code constraints: A Turkish case study**
Mokhtare M. H., KEYSAN O.
IET Renewable Power Generation, 2024 (SCI-Expanded)
- IV. **Neural Networks Detect Inter-Turn Short Circuit Faults Using Inverter Switching Statistics for a Closed-Loop Controlled Motor Drive**
Oner M. U., Sahin I., KEYSAN O.
IEEE Transactions on Energy Conversion, cilt.38, sa.4, ss.2387-2395, 2023 (SCI-Expanded)
- V. **Variable Carrier Phase Shift Method for Integrated Contactless Field Excitation System of Electrically Excited Synchronous Motors**
AYAZ E., ALTUN O., KEYSAN O.
IEEE Transactions on Power Electronics, cilt.38, sa.10, ss.13243-13253, 2023 (SCI-Expanded)
- VI. **Carrier Phase Shift Method of SPWM for Concurrent Wired and Wireless Power Transfer Systems**
AYAZ E., ALTUN O., KEYSAN O.
IEEE Transactions on Industrial Electronics, cilt.70, sa.9, ss.8645-8654, 2023 (SCI-Expanded)
- VII. **Autonomous fault detection and diagnosis for permanent magnet synchronous motors using combined variational mode decomposition, the Hilbert-Huang transform, and a convolutional neural network**
El-Dalahmeh M., Al-Greer M., Bashir I., El-Dalahmeh M., Demirel A., KEYSAN O.
Computers and Electrical Engineering, cilt.110, 2023 (SCI-Expanded)
- VIII. **Mechanical and Thermal Design of an Optimized PCB Motor for an Integrated Motor Drive System with GaNFETs**
TOKGÖZ F., Gulsuna O., KARAKAYA F., ÇAKAL G., KEYSAN O.
IEEE Transactions on Energy Conversion, cilt.38, sa.1, ss.653-661, 2023 (SCI-Expanded)
- IX. **Fault Tolerant Multi-Tx/Multi-Rx Inductive Power Transfer System with a Resonator Coil**
AYAZ E., ALTUN O., POLAT H., KEYSAN O.
IEEE Journal of Emerging and Selected Topics in Power Electronics, cilt.11, sa.1, ss.1272-1284, 2023 (SCI-Expanded)

- X. **A Hierarchical Control of Supercapacitor and Microsources in Islanded DC Microgrids**
Barati F., Ahmadi B., KEYSAN O.
IEEE ACCESS, cilt.11, ss.7056-7066, 2023 (SCI-Expanded)
- XI. **Muzzle Voltage Experiments of the EMFY-3 Launcher**
Tosun N., Karagoz M., Yurdakonar F., Gulletutan G., Yildirim B., KEYSAN O.
IEEE TRANSACTIONS ON PLASMA SCIENCE, cilt.50, sa.10, ss.3434-3442, 2022 (SCI-Expanded)
- XII. **Balancing of Common DC-Bus Parallel Connected Modular Inductive Power Transfer Systems**
POLAT H., AYAZ E., ALTUN O., KEYSAN O.
IEEE Journal of Emerging and Selected Topics in Power Electronics, cilt.10, ss.1587-1596, 2022 (SCI-Expanded)
- XIII. **Sensitivity Analysis for the Inductance Gradient of EMFY-3 Electromagnetic Launcher**
Tosun N., Civil A., Oruc A. Y., Yildirim B., Ozceylan B. M., Bolat B., Yurdakul E. B., Tan E., Yurdakonar F., Akdemir H., et al.
IEEE TRANSACTIONS ON PLASMA SCIENCE, cilt.50, sa.2, ss.381-386, 2022 (SCI-Expanded)
- XIV. **Parallel connected GaN E-HEMT VSI-based servo drives for PMSMs**
Yuruk H., Keysan O.
IET ELECTRIC POWER APPLICATIONS, cilt.16, ss.86-99, 2022 (SCI-Expanded)
- XV. **Centralized Microgrid Control System in Compliance with IEEE 2030.7 Standard Based on an Advanced Field Unit**
Pouraltafi-kheljan S., Ugur M., Bozulu E., Caliskan B. C., KEYSAN O., GÖL M.
ENERGIES, cilt.14, sa.21, 2021 (SCI-Expanded)
- XVI. **Layout-Based Ultrafast Short-Circuit Protection Technique for Parallel-Connected GaN HEMTs**
Karakaya F., Alemdar O. S., KEYSAN O.
IEEE JOURNAL OF EMERGING AND SELECTED TOPICS IN POWER ELECTRONICS, cilt.9, sa.5, ss.6385-6395, 2021 (SCI-Expanded)
- XVII. **Comparison of the Effects of Nonlinearities for Si MOSFET and GaN E-HEMT Based VSIs**
Yuruk H., KEYSAN O., Ulutas B.
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, cilt.68, sa.7, ss.5606-5615, 2021 (SCI-Expanded)
- XVIII. **Model Predictive Controller Utilized as an Observer for Inter-Turn Short Circuit Detection in Induction Motors**
Sahin I., KEYSAN O.
IEEE TRANSACTIONS ON ENERGY CONVERSION, cilt.36, sa.2, ss.1449-1458, 2021 (SCI-Expanded)
- XIX. **Feasibility of quasi-square-wave zero-voltage-switching bi-directional dc/dc converters with gan hemts**
KARAKAYA F., Gülsuna Ö., KEYSAN O.
Energies, cilt.14, sa.10, 2021 (SCI-Expanded)
- XX. **A Comparison of Velocity Skin Effect Modeling With 2-D Transient and 3-D Quasi-Transient Finite Element Methods**
Tosun N., Ceylan D., POLAT H., KEYSAN O.
IEEE TRANSACTIONS ON PLASMA SCIENCE, cilt.49, sa.4, ss.1500-1507, 2021 (SCI-Expanded)
- XXI. **Flat winding made of aluminum or copper sheet for axial flux machines**
ÇAKAL G., KEYSAN O.
IET ELECTRIC POWER APPLICATIONS, cilt.15, sa.4, ss.429-440, 2021 (SCI-Expanded)
- XXII. **Axial flux generator with novel flat wire for direct-drive wind turbines**
Çakal G., Keysan O.
IET RENEWABLE POWER GENERATION, cilt.15, sa.1, ss.139-152, 2021 (SCI-Expanded)
- XXIII. **Comparison of PCB winding topologies for axial-flux permanent magnet synchronous machines**
TOKGÖZ F., ÇAKAL G., KEYSAN O.
IET ELECTRIC POWER APPLICATIONS, cilt.14, sa.13, ss.2577-2586, 2020 (SCI-Expanded)
- XXIV. **Adaptive controller based on grid impedance estimation for stable operation of grid-connected inverters under weak grid conditions**
Temiz H., KEYSAN O., Demirok E.

IET POWER ELECTRONICS, cilt.13, sa.13, ss.2692-2705, 2020 (SCI-Expanded)

- XXV. **A Hybrid Simulation Model for Electromagnetic Launchers including the Transient Inductance and Electromotive Force**
Tosun N., Polat H., Ceylan D., Karagoz M., Yildirim B., Gungen I., KEYSAN O.
IEEE Transactions on Plasma Science, cilt.48, sa.9, ss.3220-3228, 2020 (SCI-Expanded)
- XXVI. **Optimization of a Convex Rail Design for Electromagnetic Launchers**
Polat H., Tosun N., Ceylan D., KEYSAN O.
IEEE TRANSACTIONS ON PLASMA SCIENCE, cilt.48, sa.6, ss.2266-2273, 2020 (SCI-Expanded)
- XXVII. **Simulations and Experiments of EMFY-1 Electromagnetic Launcher**
Ceylan D., Karagoz M., Cevik Y., Yildirim B., Polat H., KEYSAN O.
IEEE TRANSACTIONS ON PLASMA SCIENCE, cilt.47, sa.7, ss.3336-3343, 2019 (SCI-Expanded)
- XXVIII. **Improving the Thermal Performance of Rotary and Linear Air-Cored Permanent Magnet Machines for Direct Drive Wind and Wave Energy Applications**
Mueller M. A., Burchell J., Chong Y. C., KEYSAN O., McDonald A., Galbraith M., Subiabre E. J. P. E.
IEEE TRANSACTIONS ON ENERGY CONVERSION, cilt.34, sa.2, ss.773-781, 2019 (SCI-Expanded)
- XXIX. **A Rare-Earth Free Magnetically Geared Generator for Direct-Drive Wind Turbines**
Zeinali R., KEYSAN O.
ENERGIES, cilt.12, sa.3, 2019 (SCI-Expanded)
- XXX. **Multi-objective design optimization of a permanent magnet axial flux eddy current brake**
Tarvirdilu-Asl R., Yuksel M., KEYSAN O.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.27, sa.2, ss.998-1011, 2019 (SCI-Expanded)
- XXXI. **Armature Shape Optimization of an Electromagnetic Launcher Including Contact Resistance**
Ceylan D., Gudelek M. U., KEYSAN O.
IEEE TRANSACTIONS ON PLASMA SCIENCE, cilt.46, sa.10, ss.3619-3627, 2018 (SCI-Expanded)
- XXXII. **Development of a superconducting claw-pole linear test-rig**
Radyjowski P., KEYSAN O., Burchell J., Mueller M.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, cilt.29, sa.4, 2016 (SCI-Expanded)
- XXXIII. **A modular and cost-effective superconducting generator design for offshore wind turbines**
KEYSAN O., Mueller M.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, cilt.28, sa.3, 2015 (SCI-Expanded)
- XXXIV. **A Modular Superconducting Generator for Offshore Wind Turbines**
KEYSAN O., Olczak D., Mueller M. A.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.26, sa.5, ss.2103-2108, 2013 (SCI-Expanded)
- XXXV. **Real-Time Speed and Position Estimation Using Rotor Slot Harmonics**
Keysan O., ERTAN H. B.
IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, cilt.9, sa.2, ss.899-908, 2013 (SCI-Expanded)
- XXXVI. **Application of high-temperature superconducting machines to direct drive renewable energy systems**
KEYSAN O.
ELECTRICAL DRIVES FOR DIRECT DRIVE RENEWABLE ENERGY SYSTEMS, sa.24, ss.219-252, 2013 (SCI-Expanded)
- XXXVII. **Design and Testing of a Linear Generator for Wave-Energy Applications**
Hodgins N., KEYSAN O., McDonald A. S., Mueller M. A.
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, cilt.59, sa.5, ss.2094-2103, 2012 (SCI-Expanded)
- XXXVIII. **Designing the C-GEN lightweight direct drive generator for wave and tidal energy**
KEYSAN O., Mueller M., McDonald A., Hodgins N., Shek J.
IET RENEWABLE POWER GENERATION, cilt.6, sa.3, ss.161-170, 2012 (SCI-Expanded)
- XXXIX. **A Transverse Flux High Temperature Superconducting Generator Topology for Large Direct Drive Wind Turbines**
KEYSAN O., Mueller M. A.
Physics Procedia, cilt.36, ss.759-764, 2012 (SCI-Expanded)

XL. A Homopolar HTSG Topology for Large Direct-Drive Wind Turbines

KEYSAN O., Mueller M. A.

IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, cilt.21, sa.5, ss.3523-3531, 2011 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Optimum bidding strategy for wind and solar power plants in day-ahead electricity market**
Özcan M., KEYSAN O., Satır B.
Energy Systems, cilt.12, sa.4, ss.955-987, 2021 (ESCI)
- II. **Performance comparison of passive series R and shunt R-C damped LCL filter for grid-connected inverters**
Temiz H., Demirok E., KEYSAN O., Turkay A., Cetinkaya B.
JOURNAL OF ENGINEERING-JOE, sa.18, ss.4698-4702, 2019 (ESCI)
- III. **Multi-physics design optimisation of a GaN-based integrated modular motor drive system**
UĞUR M., KEYSAN O.
JOURNAL OF ENGINEERING-JOE, sa.17, ss.3900-3905, 2019 (ESCI)
- IV. **Tümleşik Modüler Motor Sürücü Sistemi Tasarımı**
Uğur M., KEYSAN O.
Fırat Üniversitesi Mühendislik Bilimleri Dergisi, cilt.30, ss.75-83, 2018 (Hakemli Dergi)
- V. **Future Electrical Generator Technologies for Offshore Wind Turbines**
KEYSAN O.
Engineering & Technology Reference, 2015 (Hakemli Dergi)
- VI. **Integrated design and optimization of a direct drive axial flux permanent magnet generator for a tidal turbine**
Keysan O., McDonald A., Mueller M.
Renewable Energy and Power Quality Journal, cilt.1, sa.8, ss.1297-1302, 2010 (Scopus)

Kitap & Kitap Bölümleri

- I. **METU Smart Campus Project (iEAST)**
ERTEKİN BOLELLİ Ş., KEYSAN O., GÖL M., Bayazit H., Yıldız T., Marr A., Ganji M., Teimourzadeh S., Tör O. B., Özkavaf S.
New Technologies, Development and Application II, Isak Karabegović, Editör, Springer, ss.287-297, 2019
- II. **Application of high-temperature superconducting machines to direct drive renewable energy systems**
Keysan O.
Electrical Drives for Direct Drive Renewable Energy Systems, Markus Mueller, Henk Polinder, Editör, Woodhead Publishing Limited, London, ss.219-251, 2013

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Winding Type Alternation of a Refurbished Old Generator**
Tosun N., Gülletutan G., Yakut M. S., Alp Yılmaz D., BAYER Ö., KEYSAN O.
2023 IEEE Workshop on Electrical Machines Design, Control and Diagnosis, WEMDCD 2023, Newcastle upon Tyne, İngiltere, 13 - 14 Nisan 2023
- II. **Scaling Laws for Electromagnetic Launchers Considering an Existing Pulse Power Supply**
Gülletutan G., KEYSAN O., Tosun N., Yurdakonar F., Yildirim B., Çöklü Z., Karagöz M.
2023 IEEE Pulsed Power Conference, PPC 2023, Texas, Amerika Birleşik Devletleri, 25 - 29 Haziran 2023

- III. **Active fault detection using time and frequency diagnostic features for electrical machine**
El-Dalahmeh M., Al-Greer M., Demirel A., KEYSAN O.
11th International Conference on Power Electronics, Machines and Drives (PEMD 2022), Newcastle, Avustralya, 21 Haziran 2022
- IV. **Design of an optimized PCB motor with a GaN switched integrated motor drive**
TOKGÖZ F., Gülsuna Ö., KARAKAYA F., ÇAKAL G., KEYSAN O.
11th International Conference on Power Electronics, Machines and Drives (PEMD 2022), Newcastle, Avustralya, 21 Haziran 2022
- V. **Generalized Model of Modular Two Element Compensated IPT Systems with Common DC-Bus**
AYAZ E., ALTUN O., POLAT H., KEYSAN O.
Wireless Power Week (WPW), Bordeaux, Fransa, 5 - 08 Temmuz 2022, ss.260-265
- VI. **A Modular Inductive Power Transfer System for Synchronous Machine Field Excitation**
ALTUN O., AYAZ E., POLAT H., KEYSAN O.
Wireless Power Week (WPW), Bordeaux, Fransa, 5 - 08 Temmuz 2022, ss.476-481
- VII. **Electromagnetic Launcher Speed Control with a Multilevel Fast Triggering Time Algorithm (MFTTA)**
Tosun N., Polat H., KEYSAN O.
2021 IEEE Pulsed Power Conference, PPC 2021, Colorado, Amerika Birleşik Devletleri, 12 - 16 Aralık 2021, cilt.2021-December
- VIII. **Muzzle Voltage Characteristics of Railguns**
Tosun N., Gulletutan G., KEYSAN O., Yurdakonar F., Karagoz M.
2021 IEEE Pulsed Power Conference, PPC 2021, Colorado, Amerika Birleşik Devletleri, 12 - 16 Aralık 2021, cilt.2021-December
- IX. **Design and Analysis of a 2.5 MW Hybrid Excited Synchronous Wind Turbine Generator With Two Separate Rotors**
akgemci a., KEYSAN O.
2020 International Conference on Electrical Machines (ICEM), Gothenburg, İsveç, 23 - 26 Ağustos 2020
- X. **A simulink model for the induction machine with an inter-turn short circuit fault**
ŞAHİN İ., BAYAZIT G. H., KEYSAN O.
2020 International Conference on Electrical Machines, ICEM 2020, Virtual, Gothenburg, İsveç, 23 - 26 Ağustos 2020, ss.1273-1279
- XI. **Design and implementation of an optimized printed circuit board axial-flux permanent magnet machine**
TOKGÖZ F., ÇAKAL G., KEYSAN O.
2020 International Conference on Electrical Machines, ICEM 2020, Virtual, Gothenburg, İsveç, 23 - 26 Ağustos 2020, ss.111-116
- XII. **Fault Tolerance Capabilities of Three, Four and Six-Phase Configurations of a 24 Slot Modular PMSM**
Bayazit G. H., Uğur M., KEYSAN O.
IEEE International Conference on Power Electronics and Drive Systems (PEDS), Toulouse, Fransa, 9 - 12 Temmuz 2019
- XIII. **METU Smart Campus Project (iEAST)**
ERTEKİN BOLELLİ Ş., KEYSAN O., GÖL M., beyazit h., YILDIZ T., Marr A., Ganji M., Teimourzadeh S., Tör O. B., Özkavaf S.
International Conference on New Technologies, Development and Application, Sarajevo, Bosna-Hersek, 27 - 29 Haziran 2019, cilt.76, ss.287-297
- XIV. **Fault Tolerance Capabilities of Three, Four and Six-Phase Configurations of a 24 Slot Modular PMSM**
BAYAZIT G. H., Ugur M., KEYSAN O.
13th IEEE International Conference on Power Electronics and Drive Systems, PEDS 2019, Toulouse, Fransa, 9 - 12 Temmuz 2019
- XV. **Utilization and Optimization of Superconducting Coil Parameters in Electromagnetic Launcher Systems**

Polat H., Ceylan D., KEYSAN O.

2019 IEEE Pulsed Power and Plasma Science, PPPS 2019, Florida, Amerika Birleşik Devletleri, 23 - 29 Haziran 2019

- XVI. **Applications of Superconductivity in the Energy Area**
KEYSAN O.
ETAMSS 2018, 22 - 24 Şubat 2018
- XVII. **A simplified discrete-time implementation of FCS-MPC applied to an IM drive**
ŞAHİN İ., KEYSAN O.
21st European Conference on Power Electronics and Applications (EPE ECCE Europe), Genoa, İtalya, 3 - 05 Eylül 2019
- XVIII. **Design of Double Sided Linear Motor with Easy to Manufacture Hairpin Plate Winding**
ÇAKAL G., KEYSAN O.
12th International Symposium on Linear Drives for Industry Applications (LDIA), Neuchatel, İsviçre, 1 - 03 Temmuz 2019
- XIX. **High Bandwidth Current Control via Nonlinear Compensation and GaN-based VSI**
Yuruk H., KEYSAN O., Ulutas B.
IEEE 13th International Conference on Compatibility, Power Electronics and Power Engineering (IEEE IES CPE-POWERENG), Sonderborg, Danimarka, 23 - 25 Nisan 2019
- XX. **PCB Layout Based Short-Circuit Protection Scheme for GaN HEMTs**
Alemdar O. S., KARAKAYA F., KEYSAN O.
11th Annual IEEE Energy Conversion Congress and Exposition (ECCE), Maryland, Amerika Birleşik Devletleri, 29 Eylül - 03 Ekim 2019, ss.2212-2218
- XXI. **A Comparative Study of Capacitive and Inductive Pulsed Power Supply Topologies for Electromagnetic Launcher Applications**
Ceylan D., Pourkeivannour S., KEYSAN O.
International Aegean Conference on Electrical Machines and Power Electronics (ACEMP) / International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), İstanbul, Türkiye, 27 - 29 Ağustos 2019, ss.297-303
- XXII. **Investigation of Turn-on and Turn-off Characteristics of Enhancement-Mode GaN Power Transistors**
KARAKAYA F., DİLBEROĞLU M. U., KEYSAN O.
20th European Conference on Power Electronics and Applications, EPE 2018 ECCE Europe, Riga, Letonya, 17 - 21 Eylül 2018
- XXIII. **Evaluation of Photovoltaic Systems For Reactive Power Compensation In Low Voltage Power Systems**
Uğur M., Duymaz E., Göl M., Keysan O.
ISGT Europe 2018, Sarajevo, Bosna-Hersek, 21 - 25 Ekim 2018
- XXIV. **Design of a GaN Based Integrated Modular Motor Drive**
Uğur M., KEYSAN O.
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