

Prof. Dr. RAMAZAN BAYINDIR

Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Biyografi

Prof. Dr. Ramazan BAYINDIR, lisans eğitimini Gazi Üniversitesi Teknik Eğitim Fakültesi Elektrik Eğitimi Bölümü'nde Temmuz 1992'de tamamladı. Yüksek lisans ve doktora derecelerini sırasıyla 1998 ve 2002 yıllarında Gazi Üniversitesi Fen Bilimleri Enstitüsü'nden aldı.

Dr. Bayındır, Gazi Üniversitesi Teknik Eğitim Fakültesi Elektrik Eğitimi Bölümü'nde Öğretim Görevlisi ve Yrd. Doç. Dr. olarak görev yaptı. Gazi Üniversitesi Teknoloji Fakültesi Elektrik Elektronik Mühendisliği Bölümünde Doç. Dr. olarak görev yapan Dr. Bayındır, 2013 yılından itibaren Prof. Dr. unvanıyla görevine devam etmektedir. Temel çalışma alanları, yenilenebilir enerji kaynakları, mikro şebekeler, dağıtık üretim, akıllı şebeke uygulamaları ve PLC ile endüstriyel otomasyon uygulamalarıdır.

Dr. Bayındır, yıllık olarak düzenlenen "International Conference on Renewable Energy Research and Applications (ICRERA 2012-2018)", "16th International Power Electronics and Motion Control Conference and Exposition (PEMC 2014)" ve "International Conference on Power Engineering, Energy and Electrical Drives (POWERENG 2013)" isimli konferanslarda program başkanı olarak görev yaptı. Ayrıca, "Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji" isimli derginin baş editörlük görevi ve SCI indekste taranan birçok seçkin dergide konuk editör olarak görev yaptı. 2019 yılından itibaren "IEEE Senior Member" olan Dr. Bayındır'ın, çalışma alanları dahilinde 250'den fazla makale ve bildirisi bulunmaktadır. Ayrıca, 4 ulusal kitap ve 2 uluslararası kitapta yazar olarak yer almıştır. Birçok ulusal proje tamamlamış olan Dr. Bayındır, birçok Avrupa ülkesinin paydaş olduğu projede de görev almıştır.

Eğitim Bilgileri

Doktora, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (Dr), Türkiye 1998 - 2002

Yüksek Lisans, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (Yl) (Tezli), Türkiye 1995 - 1998

Lisans, Gazi Üniversitesi, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, Türkiye 1989 - 1992

Araştırma Alanları

Enerji, Doğrudan Enerji Dönüşümü ve Enerji Depolaması , Güç Sistemlerinin Analizi , Enerji Üretim İstasyonları ve Tesisleri , Enerji İletimi ve Dağıtımı , Yenilenebilir Enerji, Yüksek Gerilim Teknikleri

Akademik Unvanlar / Görevler

Prof. Dr., Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2013 - Devam Ediyor
Yrd. Doç. Dr., Gazi Üniversitesi, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, 2007 - 2007
Öğretim Görevlisi, Gazi Üniversitesi, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, 2002 - 2007
Araştırma Görevlisi, Gazi Üniversitesi, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, 1996 - 2002

Akademik İdari Deneyim

Rektör Yardımcısı, Gazi Üniversitesi, Rektörlük, 2020 - Devam Ediyor
Rektörlük Kalite Komisyonu Üyesi, Gazi Üniversitesi, Rektörlük, 2020 - Devam Ediyor
Bölüm Başkanı, Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2020 - 2020
Bölüm Başkanı, Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2017 - 2019
Bölüm Başkanı, Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2016 - 2017
Fakülte Yönetim Kurulu Üyesi, Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2015 - 2016
MYO Müdürü, Gazi Üniversitesi, Gazi Meslek Yüksekokulu, 2011 - 2012

Yönetilen Tezler

BAYINDIR R., Fotovoltaik güç tahmini için metasezgisel optimizasyon tabanlı hibrit model tasarımı ve analizi, Doktora, M.ÇOLAK(Öğrenci), 2020
BAYINDIR R., Da Dağıtık Güç Sistemlerinde Çoklu Dönüştürücü İçin Fpga Tabanlı Bulanık Mantık Denetleyici, Doktora, M.Khalaf(Öğrenci), 2020
BAYINDIR R., FPGA based fuzzy logic controller for multiconverter in dc distributed power systems, Doktora, M.KHALAF(Öğrenci), 2019
BAYINDIR R., Optimal placement of electric vehicle charging stations on a distribution network, Yüksek Lisans, T.HARIGHI(Öğrenci), 2019
BAYINDIR R., Güneş panelleri için aa modül tasarımı ve uygulaması, Yüksek Lisans, C.CAN(Öğrenci), 2019
BAYINDIR R., Householder yöntemi ile güç sistemlerinde küçük sinyal kararlılığının incelenmesi, Yüksek Lisans, A.SABATI(Öğrenci), 2019
BAYINDIR R., Householder Yöntemi İle Güç Sistemlerinde Küçük Sinyal Kararlılığının İncelenmesi, Yüksek Lisans, A.Sabati(Öğrenci), 2019
BAYINDIR R., Güç sistemlerinde gerilim kararlılığının optimizasyonunda yeni bir akıllı yöntem geliştirilmesi ve uygulaması, Doktora, S.ERMİŞ(Öğrenci), 2018
BAYINDIR R., Çatı tipi güneş enerji santralleri ve dağıtım tesislerine bağlantı kriterleri, Yüksek Lisans, F.ÖNCİN(Öğrenci), 2018
BAYINDIR R., Enerji sistemlerinde dinamik güç akışı izleme ve gerilim kararlılık analizi, Yüksek Lisans, Ü.ÇETİNKAYA(Öğrenci), 2016
BAYINDIR R., Senkron motor ile reaktif güç kompanzasyonu benzetimi için web tabanlı bir eğitim aracı, Yüksek Lisans, S.VADİ(Öğrenci), 2014
BAYINDIR R., Usulsüz elektrik enerji kullanımını önlemeye yönelik sistem tasarımı ve uygulaması, Yüksek Lisans, K.DEMİRTAŞ(Öğrenci), 2014
BAYINDIR R., Sabit kondansatörlü tristör kontrollü reaktör ile güç katsayısının düzeltilmesi, Yüksek Lisans, A.KÖSE(Öğrenci), 2014
BAYINDIR R., Bir pnömatis motor kontrol sisteminin teorik ve deneysel analizi, Doktora, H.GÜNEŞ(Öğrenci), 2012
BAYINDIR R., Asenkron motor büyüklüklerinin Zigbee haberleşme protokolü kullanılarak izlenmesi, Yüksek Lisans, M.ŞEN(Öğrenci), 2010
BAYINDIR R., SERAMİK PİŞİRME FIRINININ TASARIMI VE DENETİMİ, Yüksek Lisans, S.BULUT(Öğrenci), 2010
BAYINDIR R., ÜÇ FAZLI ASENKRON MOTORUN GÜÇ KATSAYISININ PLC İLE KONTROLÜ VE İZLENMESİ, Yüksek Lisans, L.BARAN(Öğrenci), 2010
BAYINDIR R., ASENKRON MOTOR BÜYÜKLÜKLERİNİN ZİGBEE HABERLEŞME PROTOKOLÜ KULLANILARAK İZLENMESİ,

Yüksek Lisans, M.ŞEN(Öğrenci), 2010

BAYINDIR R., Seramik pişirme fırınının tasarımı ve denetimi, Yüksek Lisans, S.BULUT(Öğrenci), 2010

BAYINDIR R., Endüstriyel otomasyonda internet tabanlı kablosuz veri iletişimi, Yüksek Lisans, Y.ÇETİNCEVİZ(Öğrenci), 2010

BAYINDIR R., YAPAY SİNİR AĞLARI DENETİMLİ SENKRON MOTOR İLE REAKTİF GÜÇ KOMPANZASYONU, Yüksek Lisans, A.GÖRGÜN(Öğrenci), 2009

BAYINDIR R., Yapay sinir ağları denetimli senkron motor ile reaktif güç kompanzasyonu, Yüksek Lisans, A.GÖRGÜN(Öğrenci), 2009

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BAYINDIR R., YAPAY SİĞNİR AĞLARI TEMELLİ REAKTİF GÜÇ KOMPANZASYONU EĞİTİM SETİ TASARIMI, Yüksek Lisans, Ö.SESVEREN(Öğrenci), 2008

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BAYINDIR R., Alternatörlerin otomatik paralel bağlanması için eğitim amaçlı bir deney setinin geliştirilmesi ve etkililiğinin değerlendirilmesi, Doktora, İ.GARİP(Öğrenci), 2008

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Optimal Power Flow Analysis with Renewable Energy Resource Uncertainty Using Dwarf Mongoose Optimizer: Case of ADRAR Isolated Electrical Network**
Mouassa S., Alateeq A., Alassaf A., BAYINDIR R., Alsaleh I., Jurado F.
IEEE Access, cilt.12, ss.10202-10218, 2024 (SCI-Expanded)
- II. **Smart coordination of predictive load balancing for residential electric vehicles based on EMD-Bayesian optimised LSTM**
AKIL M., Dokur E., BAYINDIR R.
IET RENEWABLE POWER GENERATION, cilt.16, sa.15, ss.3216-3232, 2022 (SCI-Expanded)
- III. **Assessing drivers of residential energy consumption in Turkey: 2000-2018**
Duzgun B., Koksall M. A., BAYINDIR R.
ENERGY FOR SUSTAINABLE DEVELOPMENT, cilt.70, ss.371-386, 2022 (SCI-Expanded)
- IV. **Electricity Consumption Behaviors and Clustering of Distribution Grids in Terms of Demand Response**
Cetinkaya U., AVCI E., BAYINDIR R.
ELECTRIC POWER COMPONENTS AND SYSTEMS, cilt.50, sa.9-10, ss.498-515, 2022 (SCI-Expanded)
- V. **Induction motor control system with a Programmable Logic Controller (PLC) and Profibus communication for industrial plants — An experimental setup**
VADİ S., BAYINDIR R., Toplar Y., Colak I.
ISA Transactions, cilt.122, ss.459-471, 2022 (SCI-Expanded)
- VI. **Modeling and evaluation of SOC-based coordinated EV charging for power management in a distribution system**
AKIL M., DOKUR E., BAYINDIR R.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.30, sa.3, ss.678-694, 2022 (SCI-Expanded)
- VII. **Modeling, Analysis and Proportional Resonant and Proportional Integral Based Control Strategy for Single Phase Quasi-Z Source Inverters**
VADİ S., BAYINDIR R.
IEEE ACCESS, cilt.10, ss.87217-87226, 2022 (SCI-Expanded)
- VIII. **The soc based dynamic charging coordination of evs in the pv-penetrated distribution network using real-world data**
Akil M., Dokur E., BAYINDIR R.

Energies, cilt.14, sa.24, 2021 (SCI-Expanded)

- IX. **Comprehensive Non-Intrusive Load Monitoring Process: Device Event Detection, Device Feature Extraction and Device Identification Using KNN, Random Forest and Decision Tree**
GÜRBÜZ F. B., BAYINDIR R., VADİ S.
2021 10th International Conference on Renewable Energy Research and Application (ICRERA), ss.447-452, 2021 (SCI-Expanded)
- X. **Design and Simulation of a Grid Connected Wind Turbine with Permanent Magnet Synchronous Generator**
VADİ S., GÜRBÜZ F. B., BAYINDIR R., HOSSAIN E.
2020 8th International Conference on Smart Grid (icSmartGrid), ss.169-175, 2020 (SCI-Expanded)
- XI. **Multi-objective Optimization of a Hybrid Renewable Energy System with a Gas Micro-turbine and a Storage Battery**
Saib S., Gherbi A., Bayindir R., Kaabeche A.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.45, sa.3, ss.1553-1566, 2020 (SCI-Expanded)
- XII. **Daily Photovoltaic Power Prediction Enhanced by Hybrid GWO-MLP, ALO-MLP and WOA-MLP Models Using Meteorological Information**
Colak M., YEŞİLBUDAK M., BAYINDIR R.
ENERGIES, cilt.13, sa.4, 2020 (SCI-Expanded)
- XIII. **A Review of Control Methods on Suppression of 2 *< italic > & x03C9;</italic >* Ripple for Single-Phase Quasi-Z-Source Inverter**
VADİ S., BAYINDIR R., Hossain E.
IEEE ACCESS, cilt.8, ss.42055-42070, 2020 (SCI-Expanded)
- XIV. **A Review on Communication Standards and Charging Topologies of V2G and V2H Operation Strategies**
VADİ S., BAYINDIR R., Colak A. M., Hossain E.
ENERGIES, cilt.12, sa.19, 2019 (SCI-Expanded)
- XV. **A Review on Optimization and Control Methods Used to Provide Transient Stability in Microgrids**
VADİ S., Padmanaban S., BAYINDIR R., Blaabjerg F., Mihet-Popa L.
ENERGIES, cilt.12, sa.18, 2019 (SCI-Expanded)
- XVI. **Small Signal Stability with the Householder Method in Power Systems**
Sabati A., BAYINDIR R., Padmanaban S., Hossain E., Tur M. R.
ENERGIES, cilt.12, sa.18, 2019 (SCI-Expanded)
- XVII. **Electric Vehicle Charge Stations Location Analysis and Determination-Ankara (Turkey) Case Study**
Harighi T., Padmanaban S., BAYINDIR R., Hossain E., Holm-Nielsen J. B.
ENERGIES, cilt.12, sa.18, 2019 (SCI-Expanded)
- XVIII. **The 5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA 2016)**
Colak I., Kurokawa F., Fahmi N., BAYINDIR R.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, cilt.25, sa.25, ss.24517-24519, 2018 (SCI-Expanded)
- XIX. **An Overview of Energy Scenarios, Storage Systems and the Infrastructure for Vehicle-to-Grid Technology**
Harighi T., BAYINDIR R., Padmanaban S., Mihet-Popa L., Hossain E.
ENERGIES, cilt.11, sa.8, 2018 (SCI-Expanded)
- XX. **Stability improvement of microgrids in the presence of constant power loads**
Hossain E., Perez R., Nasiri A., BAYINDIR R.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, cilt.96, ss.442-456, 2018 (SCI-Expanded)
- XXI. **Techno-Economic Optimization of a Grid-Connected Hybrid Energy System Considering Voltage Fluctuation**
Saib S., Gherbi A., Kaabeche A., BAYINDIR R.
JOURNAL OF ELECTRICAL ENGINEERING & TECHNOLOGY, cilt.13, sa.2, ss.659-668, 2018 (SCI-Expanded)
- XXII. **Optimization Study of Hybrid Renewable Energy System in Autonomous Site**

Saib S., Gherbi A., BAYINDIR R.

ARTIFICIAL INTELLIGENCE IN RENEWABLE ENERGETIC SYSTEMS: SMART SUSTAINABLE ENERGY SYSTEMS, cilt.35, ss.431-438, 2018 (SCI-Expanded)

- XXIII. **Design and real time implementation of adaptive neural-fuzzy inference system controller based unity single phase power factor converter**

Benyamina A., Moulahoum S., Colak I., BAYINDIR R.

ELECTRIC POWER SYSTEMS RESEARCH, cilt.152, ss.357-366, 2017 (SCI-Expanded)

- XXIV. **Constant Power Loads (CPL) with Microgrids: Problem Definition, Stability Analysis and Compensation Techniques**

AL-Nussairi M. K., BAYINDIR R., Padmanaban S., Mihet-Popa L., Siano P.

ENERGIES, cilt.10, sa.10, 2017 (SCI-Expanded)

- XXV. **Stability Analysis of MIMO Microgrid Systems in d-q Axis Platform with Constant Power Loads Based on Popov Absolute Stability Criterion**

Hossain E., Perez R., BAYINDIR R.

ELECTRIC POWER COMPONENTS AND SYSTEMS, cilt.45, sa.19, ss.2200-2215, 2017 (SCI-Expanded)

- XXVI. **Smart grid technologies and applications**

BAYINDIR R., Colak I., Fulli G., Demirtas K.

RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.66, ss.499-516, 2016 (SCI-Expanded)

- XXVII. **Design and experimental analysis of an advanced static VAR compensator with computer aided control**

Irmak E., Bayındır R., Köse A.

ISA TRANSACTIONS, cilt.64, ss.384-393, 2016 (SCI-Expanded)

- XXVIII. **Microgrid testbeds around the world: State of art**

Hossain E., KABALCI E., BAYINDIR R., Perez R.

ENERGY CONVERSION AND MANAGEMENT, cilt.86, ss.132-153, 2014 (SCI-Expanded)

- XXIX. **Smart grid opportunities and applications in Turkey**

Colak I., BAYINDIR R., Fulli G., Tekin I., Demirtas K., Covrig C.

RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.33, ss.344-352, 2014 (SCI-Expanded)

- XXX. **Real-Time Monitoring and Control of the Parameters of an Induction Motor**

BAYINDIR R., VADİ S.

ELEKTRONIKA IR ELEKTROTEHNIKA, cilt.19, sa.10, ss.145-150, 2013 (SCI-Expanded)

- XXXI. **A new approach to predict the excitation current and parameter weightings of synchronous machines based on genetic algorithm-based k-NN estimator**

Kahraman H. T., BAYINDIR R., Sagiroglu Ş.

Energy Conversion and Management, cilt.64, ss.129-138, 2012 (SCI-Expanded)

- XXXII. **Design and implementation of an Internet based effective controlling and monitoring system with wireless fieldbus communications technologies for process automation-An experimental study**

ÇETİNCİEVİZ Y., BAYINDIR R.

ISA TRANSACTIONS, cilt.51, sa.3, ss.461-470, 2012 (SCI-Expanded)

- XXXIII. **A Remote Laboratory Experiment for 4-Quadrant Control of a DC Motor**

IRMAK E., BAYINDIR R., Colak I., Soysal M.

COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, cilt.19, sa.4, ss.747-758, 2011 (SCI-Expanded)

- XXXIV. **A water pumping control system with a programmable logic controller (PLC) and industrial wireless modules for industrial plants-An experimental setup**

BAYINDIR R., ÇETİNCİEVİZ Y.

ISA TRANSACTIONS, cilt.50, sa.2, ss.321-328, 2011 (SCI-Expanded)

- XXXV. **DESIGN AND APPLICATION OF ELECTROMAGNETIC SOLENOID FOR VALVE MECHANISM ON COMPRESSED AIR ENGINES**

Koca A., BAYINDIR R., Gunes H., KUNT M. A., Sakar S.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.26, sa.1, ss.73-79, 2011 (SCI-Expanded)

- XXXVI. **Review of multilevel voltage source inverter topologies and control schemes**
Colak I., KABALCI E., BAYINDIR R.
ENERGY CONVERSION AND MANAGEMENT, cilt.52, sa.2, ss.1114-1128, 2011 (SCI-Expanded)
- XXXVII. **Development of a real time energy monitoring platform**
BAYINDIR R., IRMAK E., Colak I., Bektas A.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, cilt.33, sa.1, ss.137-146, 2011 (SCI-Expanded)
- XXXVIII. **PROVIDING EQUALITY OF FREQUENCIES AND PHASE ANGLES BASED ON MICROCONTROLLER FOR PARALLEL CONNECTION OF GENERATORS**
SEFA İ., BAYINDIR R., Garip I., Bayhan S., Colak I.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.25, sa.1, ss.39-48, 2010 (SCI-Expanded)
- XXXIX. **Design and implementation of a neural controller for power factor correction**
Sagiroglu Ş., BAYINDIR R., Colak I.
Engineering Intelligent Systems, cilt.17, sa.4, ss.209-220, 2009 (SCI-Expanded)
- XL. **INVESTIGATING INDUSTRIAL RISKS BASED ON INFORMATION SECURITY FOR OBSERVERABLE ELECTRICAL ENERGY DISTRIBUTION SYSTEM AND SUGGESTIONS**
BAYINDIR R., SAĞIROĞLU Ş., Colak I., Ozbilen A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.24, sa.4, ss.715-723, 2009 (SCI-Expanded)
- XLI. **MICROCONTROLLER BASED WARNING SYSTEM FOR RIGHT PHASE ORDER AND PHASE COLLAPSE FOR ALTERNATORS**
BAYINDIR R., Colak I., Garip I., Bayhan S.
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- XLII. **An intelligent power factor corrector for power system using artificial neural networks**
BAYINDIR R., Sagiroglu Ş., Colak I.
Electric Power Systems Research, cilt.79, sa.1, ss.152-160, 2009 (SCI-Expanded)
- XLIII. **Fault detection and protection of induction motors using sensors**
BAYINDIR R., SEFA İ., Colak I., Bektas A.
IEEE TRANSACTIONS ON ENERGY CONVERSION, cilt.23, sa.3, ss.734-741, 2008 (SCI-Expanded)
- XLIV. **DESIGN AND IMPLEMENTATION OF AN INTELLIGENT SIMULATOR FOR REACTIVE POWER COMPENSATION**
BAYINDIR R., DEMİRBAŞ Ş., Sesveren O.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.23, sa.3, ss.681-688, 2008 (SCI-Expanded)
- XLV. **Microcontroller based digitally controlled ultrasonic motor drive system**
Bal G., BEKİROĞLU E., BAYINDIR R., Uzel H.
JOURNAL OF ELECTROCEAMICS, cilt.20, ss.265-270, 2008 (SCI-Expanded)
- XLVI. **Low-cost and high sensitively microcontroller based control unit for a friction welding machine**
BAYINDIR R., ATEŞ H.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, cilt.189, ss.126-131, 2007 (SCI-Expanded)
- XLVII. **Novel approach based on microcontroller to online protection of induction motors**
BAYINDIR R., Sefa İ.
ENERGY CONVERSION AND MANAGEMENT, cilt.48, sa.3, ss.850-856, 2007 (SCI-Expanded)
- XLVIII. **Design and construction of an electrical furnace to fire ceramic product**
BAYINDIR R.
JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH, cilt.66, sa.2, ss.135-140, 2007 (SCI-Expanded)
- XLIX. **A novel control unit for a friction welding machine based on computer**
BAYINDIR R., ATEŞ H.
MATERIALS AND MANUFACTURING PROCESSES, cilt.22, sa.1, ss.102-106, 2007 (SCI-Expanded)

- L. **Power factor correction technique based on artificial neural networks**
Sagiroglu Ş., Colak I., BAYINDIR R.
Energy Conversion and Management, cilt.47, ss.3204-3215, 2006 (SCI-Expanded)
- LI. **A novel dynamic reactive power compensator based on PIC**
Colak I., BAYINDIR R.
ELECTRIC POWER COMPONENTS AND SYSTEMS, cilt.33, sa.8, ss.861-876, 2005 (SCI-Expanded)
- LII. **Comparison of the constructed control methods for a friction-welding machine**
BAYINDIR R., ATEŞ H.
MATERIALS AND MANUFACTURING PROCESSES, cilt.20, sa.2, ss.131-146, 2005 (SCI-Expanded)
- LIII. **Experimental study on reactive power compensation using a fuzzy logic controlled synchronous motor**
Colak I., BAYINDIR R., Sefa İ.
ENERGY CONVERSION AND MANAGEMENT, cilt.45, ss.2371-2391, 2004 (SCI-Expanded)
- LIV. **Reactive power compensation using a fuzzy logic controlled synchronous motor**
Colak I., BAYINDIR R., Bay Ö. F.
ENERGY CONVERSION AND MANAGEMENT, cilt.44, sa.13, ss.2189-2204, 2003 (SCI-Expanded)

Diğer Dergilerde Yayımlanan Makaleler

- I. **Overview: Using Hybrid Energy System for Electricity Production Based on the Optimization Methods**
SAİB S., BAYINDIR R., VADİ S.
GAZI UNIVERSITY JOURNAL OF SCIENCE, cilt.1, sa.1, ss.1-10, 2024 (ESCI)
- II. **Bir İnceleme: Farklı Teknolojilerin Kullanımı ile Elektrik Enerjisi Depolama Sistemi Bağlantılı Hibrit Güç Sistemleri**
SAİB S., BAYINDIR R., VADİ S.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGİSİ, 2023 (ESCI)
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ERMİŞ S., YEŞİLBUDAK M., BAYINDIR R.
IEEE 8th International Conference on Renewable Energy Research and Applications (ICRERA'19), Brasov, Romanya, 3 - 06 Kasım 2019, ss.963-967
- XLVII. **Novel application of Selfish Herd Optimisationbased Two Degrees of Freedom CascadedController for AGC Study**
Jena N. K., Patel N. C., Sahoo S., Sahu B. K., dash s., mohanty K. B., BAYINDIR R.
8th International Conference on Renewable Energy Research and Applications, Brasov, Romanya, 3 - 06 Kasım 2019, ss.851-856
- XLVIII. **Forecasting of daily total horizontal solar radiation using grey wolf optimizer and multilayer perceptron algorithms**
ÇOLAK M., YEŞİLBUDAK M., BAYINDIR R.
IEEE 8th International Conference on Renewable Energy Research and Applications (ICRERA'19), Brasov, Romanya, 3 - 06 Kasım 2019, ss.939-942
- XLIX. **SHO designed fuzzy logic based controller for AGCstudy with capacitor energy storage**
Sahoo S., dash s., Jena N. K., Sahu B. K., Patel N. C., BAYINDIR R.
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- L. **Güç sistemlerinde meta-sezgisel yöntemlerle bir optimizasyon çalışması**
ERMİŞ S., YEŞİLBUDAK M., BAYINDIR R.
Uluslararası Alüminyum Temalı Mühendislik ve Doğa Bilimleri Konferansı, Seydişehir, Konya, Türkiye, 4 - 06 Ekim 2019, ss.108-112
- LI. **A Review of Active Power and Frequency Control in Smart Grid**
TÜR M. R., BAYINDIR R.
2019 1st Global Power, Energy and Communication Conference (GPECOM), Nevşehir, Turkey, Türkiye, 12 - 15 Haziran 2019
- LII. **The Requirements of The Technique of Communication from Machine to Machine Applied in Smart Grids**
TÜR M. R., BAYINDIR R.
4th International Conference on Artificial Intelligence and Evolutionary Computations in Engineering System, Chennai, Hindistan, 11 - 13 Nisan 2019, cilt.1, ss.1-8
- LIII. **Understanding Microgrids: Architectures, Control Techniques and Stability**
BAYINDIR R.
2nd International Conference on Cognitive Informatics Soft Computing (CISC-2019), Thallapaka Panchayat,

Hindistan, 9 - 10 Nisan 2019

- LIV. **Maximum Power Extraction from a Photovoltaic Panel and a Thermoelectric Generator Constituting a Hybrid Electrical Generation System**
Belkaid A., Colak I., KAYIŞLI K., BAYINDIR R., BÜLBÜL H. İ.
6th IEEE International Conference on Smart Grid, icSmartGrids 2018, Nagasaki, Japonya, 4 - 06 Aralık 2018, ss.276-282
- LV. **A Comprehensive Study on Microgrid Technology**
BAYINDIR R.
icSmartGrid Conference, 4 - 06 Aralık 2018
- LVI. **THERMODYNAMIC OPTIMIZATION OF A NOVEL SOLAR POWER COGENERATION PLANT USING A GAS EJECTOR.**
Afif L., Nahla B., BAYINDIR R., ÇOLAK İ.
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- LVII. **Data Management in Smart Grid Applications**
BAYINDIR R.
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- LVIII. **SMART GRID, MICROGRIDS AND ENERGY STORAGE SYSTEMS**
BAYINDIR R.
Int. Conf. in Science, Engineering and Tech. ((ICETSET-18), 8 - 09 Mayıs 2018
- LIX. **Very Short-Term Estimation of Global Horizontal Irradiance Using Data Mining Methods**
Colak M., YEŞİLBUDAK M., BAYINDIR R.
7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, Fransa, 14 - 17 Ekim 2018, ss.1472-1476
- LX. **Multi-Staged PID Controller Tuned by Invasive Weed Optimization Algorithm for LFC Issues**
Patel N. C., Debnath M. K., Sahu B. K., Dash S. S., BAYINDIR R.
7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, Fransa, 14 - 17 Ekim 2018, ss.1358-1362
- LXI. **Effect of Faults in Solar Panels on Production Rate and Efficiency**
TÜR M. R., Colak I., BAYINDIR R.
6th IEEE International Conference on Smart Grid (icSmartGrid), Nagasaki, Japonya, 4 - 06 Aralık 2018, ss.287-293
- LXII. **Thermodynamic Optimization of a Novel Solar Power Cogeneration Plant Using a Gas Ejector**
Afif L., Lamari A., Bayindir R., Bouaziz N., Colak I.
7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, Fransa, 14 - 17 Ekim 2018, ss.775-778
- LXIII. **Design of an Intelligent Peak Power Converter for Solar Plants with Lead-acid Battery**
Belkaid A., Colak I., KAYIŞLI K., BAYINDIR R.
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- LXIV. **Maximum Power Extraction from a Photovoltaic Panel and a Thermoelectric Generator Constituting a Hybrid Electrical Generation System**
Belkaid A., Colak I., Kayışlı K., Bayındır R., Bülbül H. İ.
6th IEEE International Conference on Smart Grid (icSmartGrid), Nagasaki, Japonya, 4 - 06 Aralık 2018, ss.276-282
- LXV. **DC-DC Boost Converter Stability with Constant Power Load**
Al-Nussairi M. K., BAYINDIR R.
18th IEEE International Power Electronics and Motion Control Conference (IEEE PEMC), Budapest, Macaristan, 26 - 30 Ağustos 2018, ss.1061-1066
- LXVI. **Load Estimation Use in Electric Vehicle Charge Station Coordination in Different Node and Definite Area**
Harighi T., BAYINDIR R.
6th IEEE International Conference on Smart Grid (icSmartGrid), Nagasaki, Japonya, 4 - 06 Aralık 2018, ss.264-271
- LXVII. **Stabilization of a DC-Link of Microgrids feeding a Inverter-BLDC motor drive using a PI-Fuzzy**

Al-Nussairi M. K., BAYINDIR R.

7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, Fransa, 14 - 17 Ekim 2018, ss.1514-1519

LXVIII. Exergetic Comparison of Two Configurations for An Upgraded Absorption/Compression Heat Pump Integrated Organic Mixtures

Toujanian R., BAYINDIR R., Bouaziz N., Colak I.

7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, Fransa, 14 - 17 Ekim 2018, ss.770-774

LXIX. Design and Analysis of Fuzzy Logic Controllers for Microgrid Voltage Control

Kaysal A., BAYINDIR R.

2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Kizilcahamam, Türkiye, 19 - 21 Ekim 2018, ss.454-459

LXX. Capacity Mechanism and Available Applications in Europe

BAYINDIR R.

International Workshop on Industry and Computer Security, 08 Aralık 2017

LXXI. Ulusal Güç Sistemimizde Kayıp Yük Değerinin Makroekonomik Analizi ve Hesaplanması

TÜR M. R., BAYINDIR R.

Elektrik Elektronik Mühendisliği Kongresi (EEMKON 2017), İstanbul, Türkiye, 16 - 18 Kasım 2017

LXXII. Very-Short Term Modeling of Global Solar Radiation and Air Temperature Data Using Curve Fitting Methods

YEŞİLBUDAK M., ÇOLAK M., BAYINDIR R., BÜLBÜL H. İ.

International Conference on Renewable Energy Research and Applications (ICRERA) 2017, 5 - 08 Kasım 2017

LXXIII. Peak point detection of phase-to-phase effective voltages for smart grids: A comparative study

COLAK A. M., SHIBATA Y., KUROKAWA F., YEŞİLBUDAK M., ERMİŞ S., BAYINDIR R.

IEEE 6th International Conference on Renewable Energy Research and Applications (ICRERA'17), San Diego, CA, Amerika Birleşik Devletleri, 5 - 08 Kasım 2017, ss.1149-1153

LXXIV. Fuzzy Logic Controller for Dc-Dc Buck Converter with Constant Power Load

ALNUSSAIRI M., BAYINDIR R., Hossain E.

International Conference on Renewable Energy Research and Applications (ICRERA) 2017, 5 - 08 Kasım 2017

LXXV. Overview of Quality of Service Evaluation of a Charging Station for Electric Vehicle

Harighi T., BAYINDIR R., Hossain E.

International Conference on Renewable Energy Research and Applications (ICRERA) 2017, 5 - 08 Kasım 2017

LXXVI. An exploration of the effects of microcontrollers class prepared through web-based learning environment on the academic success of vocational high school students

Efe A. A., BAYINDIR R., OÇAK M. A., ÖZERBAŞ D. H.

5th International Instructional Technologies Teacher Education Symposium, 11 - 13 Ekim 2017

LXXVII. Feasibility study of grid connected solar plant: An in-depth analysis of system modeling and proper technology selection

Stephens G., Dieterle C., Hossain E., BAYINDIR R.

Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES-2017) Power, Circuit and Informational Technologies(ICPCIT-2017), 27 - 29 Nisan 2017

LXXVIII. Analysis of Pumped Hydroelectric Energy Storage for Large-Scale Wind Energy Integration

Carew N., Warnock W., BAYINDIR R., Hossain E., Rakin A. S.

Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES-2017) Power, Circuit and Informational Technologies(ICPCIT-2017), 27 - 29 Nisan 2017

LXXIX. A Briefing on Microgrid Technology

BAYINDIR R.

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LXXX. Feasibility Analysis: Evaluating Sites Possible Renewable Energy Options and their Implications to Minimize the Cost

Hossain E., BAYINDIR R., Shi F.

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- LXXXI. **A Novel Application of Naive Bayes Classifier in Photovoltaic Energy Prediction**
BAYINDIR R., YEŞİLBUDAK M., Colak M., Genç N.
16th IEEE International Conference on Machine Learning and Applications (ICMLA), Cancun, Meksika, 18 - 21 Aralık 2017, ss.523-527
- LXXXII. **Investigating the Effects of Selecting Different Slack Bus on Power Systems**
Sabati A., BAŞARAN K., BAYINDIR R., Padmanaban S., Siano P., Leonowicz Z.
17th IEEE International Conference on Environment and Electrical Engineering (IEEE IEEEIC) / 1st IEEE Industrial and Commercial Power Systems Europe (IEEE I and CPS Europe), Milan, İtalya, 6 - 09 Haziran 2017
- LXXXIII. **Investigation of the Effects of FACTS Devices on the Voltage Stability of Power Systems**
YEŞİLBUDAK M., ERMiŞ S., BAYINDIR R.
6th IEEE INTERNATIONAL CONFERENCE on RENEWABLE ENERGY RESEARCH and APPLICATIONS (ICRERA 2017), California, Amerika Birleşik Devletleri, 5 - 08 Kasım 2017, ss.1080-1085
- LXXXIV. **Valuation of Reliability Assessment for Power Systems in Terms of Distribution System, A Case Study**
TÜR M. R., Shobole A., Wadi M., BAYINDIR R.
6th IEEE INTERNATIONAL CONFERENCE on RENEWABLE ENERGY RESEARCH and APPLICATIONS (ICRERA 2017), California, Amerika Birleşik Devletleri, 5 - 08 Kasım 2017, ss.1110-1114
- LXXXV. **Hybrid Cascaded Nine Level Inverter using Dspace controller for Standalone Photovoltaic Applications**
Kalaiaresi N., Dash S. S., Paramasivam S., BAYINDIR R.
6th IEEE INTERNATIONAL CONFERENCE on RENEWABLE ENERGY RESEARCH and APPLICATIONS (ICRERA 2017), California, Amerika Birleşik Devletleri, 5 - 08 Kasım 2017, ss.745-750
- LXXXVI. **Analysis and Experimental Investigation for Grid Connected 10 kW Solar PV System in Distribution Networks**
BABU C., DASH S., BAYINDIR R., BEHERA R., SUBRAMANİ C.
Int Conference on Renewable Energy Research and Applications, Birmingham, Birleşik Krallık, 20 - 23 Kasım 2016, ss.772-777
- LXXXVII. **Stability Analysis of an Offshore Wind Farm Connected to Turkish Electricity Transmission System**
DEMİRBAŞ Ş., BAYINDIR R., OVA A., ÇETİNKAYA Ü., YEŞİL M.
Int Conference on Renewable Energy Research and Applications, Birmingham, Birleşik Krallık, 20 - 23 Kasım 2016, ss.314-318
- LXXXVIII. **Implementation of Hybrid Energy Storage Systems to Compensate Microgrid Instability in the Presence of Constant Power Loads**
HOSSAIN E., PEREZ R., BAYINDIR R.
Int Conference on Renewable Energy Research and Applications, Birmingham, Birleşik Krallık, 20 - 23 Kasım 2016, ss.1068-1073
- LXXXIX. **Implementation of Unit Commitment Algorithm A Comprehensive Droop Control Technique to Retain Microgrid Stability**
Sakıb N., Hossain J., Bülbül H. İ., Hossain E., Bayındır R.
Int Conference on Renewable Energy Research and Applications, Birmingham, Birleşik Krallık, 20 - 23 Kasım 2016, ss.1074-1079
- XC. **Implementation of an Adaptive Control Strategy for Solar Photo Voltaic Generators in Microgrids with MPPT and Energy Storage**
RAJESH K., DASH S., BAYINDIR R., SRIDHAR R., RAJAGOPAL R.
Int Conference on Renewable Energy Research and Applications, Birmingham, Birleşik Krallık, 20 - 23 Kasım 2016, ss.776-771
- XCI. **Standarts Based Investigation of Voltage Dips and Voltage Imbalances in an Organized Industrial Zone**
BAYINDIR R., YEŞİLBUDAK M., ERMiŞ S.
Power Electronics and Motion Control Conference 2016, Varna, Bulgaristan, 25 - 30 Eylül 2016, ss.469-474

- XCII. Smart Grid Technologies and Applications** Smart grid technologies can be defined as self sufficient systems that can find solutions to problems quickly in an available system that reduces the workforce and targets sustainable reliable safe and quality electricity to all consumers In this respect different technological applications can be seen from the perspective of researchers and investors The objective of this presentation is expected to be an important guiding source for researchers and engineers studying the smart grid It also helps transmission and distribution system operators to follow the right path as they are transforming their classical grids to smart grids
BAYINDIR R.
IV. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, 28 - 31 Ağustos 2016
- XCIII. Joint Project Development**
BAYINDIR R.
International Cyber Security Workshop and Certificate Program, Istanbul Gelisim University, 23 - 27 Mayıs 2016
- XCIV. A Comprehensive Study on Microgrid Modelling Control and Stability**
BAYINDIR R.
Renewable Energy Technology: Future, Opportunity and Challenges for UK and Turkey, 4 - 07 Nisan 2016
- XCv. Standards-Based Investigation of Voltage Dips and Voltage Imbalances in an Organized Industrial Zone**
BAYINDIR R., YEŞİLBUDAK M., ERMİŞ S.
17th IEEE International Power Electronics and Motion Control Conference (PEMC), Varna, Bulgaristan, 25 - 30 Eylül 2016, ss.476-481
- XCvI. A Review of Data Mining and Solar Power Prediction**
YEŞİLBUDAK M., Colak M., BAYINDIR R.
5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, Birleşik Krallık, 20 - 23 Kasım 2016, ss.1117-1121
- XCvII. The Path of the Smart Grid - The New and Improved Power Grid**
BAYINDIR R., Hossain E., Vadi S.
3rd International Smart Grid Workshop and Certificate Program (ISGWCP), İstanbul, Türkiye, 21 - 25 Mart 2016, ss.62-69
- XCvIII. Implementation of Unit Commitment Algorithm: A Comprehensive Droop Control Technique to Retain Microgrid Stability**
Sakib N., Hossain J., Bülbül H. İ., Hossain E., Bayındır R.
5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, Birleşik Krallık, 20 - 23 Kasım 2016, ss.1074-1079
- XCIX. Applying the Meta-Heuristic Prediction Algorithm for Modeling Power Density in Wind Power Plant**
KAHRAMAN H. T., AYAZ M. S., Colak I., BAYINDIR R.
15th IEEE International Conference on Machine Learning and Applications (ICMLA), California, Amerika Birleşik Devletleri, 18 - 20 Aralık 2016, ss.447-451
- C. Implementation of Hybrid Energy Storage Systems to Compensate Microgrid Instability in the Presence of Constant Power Loads**
Hossaini E., Perez R., BAYINDIR R.
5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, Birleşik Krallık, 20 - 23 Kasım 2016, ss.1068-1073
- CI. Hybrid Fuzzy Logic-Artificial Neural Network Controller for Shunt Active Power Filter**
Benyamina A., Moulahoum S., Colak I., BAYINDIR R.
5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, Birleşik Krallık, 20 - 23 Kasım 2016, ss.837-844
- CII. Stability Analysis of an Offshore Wind Farm Connected to Turkish Electricity Transmission System**
Demirbas S., BAYINDIR R., Ova A., Cetinkaya U., Yesil M.
5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, Birleşik Krallık, 20 - 23 Kasım 2016, ss.314-318
- CIII. A Common-Mode Leakage Current Mitigation for PV-Grid. Connected Three-Phase Three-Level**

Transformerless T-type-NPC-MLI

Bharatiraja C., Munda J. L., BAYINDIR R., Tariq M.

5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, Birleşik Krallık, 20 - 23 Kasım 2016, ss.578-583

CIV. k-Means Partition of Monthly Average Insolation Period Data for Turkey

YEŞİLBUDAK M., Colak I., BAYINDIR R.

15th IEEE International Conference on Machine Learning and Applications (ICMLA), California, Amerika Birleşik Devletleri, 18 - 20 Aralık 2016, ss.436-440

CV. Implementation of a Hybrid Renewable Energy Plant with Remote Monitoring Feature

KABALCI E., BAYINDIR R.

International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES), Chennai, Hindistan, 22 - 23 Nisan 2015, cilt.394, ss.1093-1103

CVI. MATLAB/GUI Based Wind Turbine Generator Types on Smart Grid Systems

AYAZ M. S., Colak I., BAYINDIR R.

5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, Birleşik Krallık, 20 - 23 Kasım 2016, ss.1158-1162

CVII. Effects of Renewable Energy Sources on the Power System

BAYINDIR R., DEMİRBAŞ Ş., IRMAK E., Cetinkaya U., Ova A., Yesil M.

17th IEEE International Power Electronics and Motion Control Conference (PEMC), Varna, Bulgaristan, 25 - 30 Eylül 2016, ss.388-393

CVIII. Design a Grid Tie Inverter for PMSG Wind Turbine using FPGA & DSP Builder

Colak I., Hossain E., BAYINDIR R., Hossain J.

17th IEEE International Power Electronics and Motion Control Conference (PEMC), Varna, Bulgaristan, 25 - 28 Eylül 2016, ss.372-377

CIX. Designing a Competitive Electric Vehicle Charging Station with Solar PV and Storage

ÇOLAK İ., BAYINDIR R., Aksöz A., Sayılğan S., Hossain E.

IEEE 37th International Telecommunication Energy Conference (INTELEC2015), 18 - 22 Ekim 2015

CX. Akıllı Şebeke Yönetimi ve Güvenliği

BAYINDIR R.

AKILLI BELEDİYESİLİK ZİRVESİ, Bursa, Türkiye, 14 - 15 Mayıs 2015

CXI. Kamu Binaları için Mikro Şebeke Tasarımı ve Ekonomik Değerlendirmesi

ÇETİNKAYA Ü., BAYINDIR R.

3. Uluslararası İstanbul Akıllı Şebekeler Kongre ve Fuarı, 29 - 30 Nisan 2015

CXII. Implementation of a Hybrid Renewable Energy Plant with Remote Monitoring Features

KABALCI E., BAYINDIR R.

The Joint International Conference on Communication, Computing and Power Technologies (ICCCPT-2015) and the International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES-2015), 22 - 23 Nisan 2015

CXIII. Statistical Scenarios for Demand Forecast of a High Voltage Feeder: A Comparative Study

BAYINDIR R., YEŞİLBUDAK M., Cetinkaya U., BÜLBÜL H. İ., Arslan F.

IEEE 14th International Conference on Machine Learning and Applications ICMLA, Florida, Amerika Birleşik Devletleri, 9 - 11 Aralık 2015, ss.1056-1061

CXIV. Multi-Period Prediction of Solar Radiation Using ARMA and ARIMA Models

Colak I., YEŞİLBUDAK M., Genç N., BAYINDIR R.

IEEE 14th International Conference on Machine Learning and Applications ICMLA, Florida, Amerika Birleşik Devletleri, 9 - 11 Aralık 2015, ss.1045-1049

CXV. Short-Circuit Fault Analysis on Microgrid

BAYINDIR R., IRMAK E., ISSI F., GÜLER N.

4th International Conference on Renewable Energy Research and Applications (ICRERA), Palermo, İtalya, 22 - 25 Kasım 2015, ss.1248-1252

CXVI. Load and Short-Circuit Analyses of the Electricity Transmission System for Industry Regions in

Ankara

BAYINDIR R., YEŞİLBUDAK M., Cetinkaya U.

4th International Conference on Renewable Energy Research and Applications (ICRERA), Palermo, İtalya, 22 - 25 Kasım 2015, ss.1243-1247

CXVII. Experimental Design of a Finite State model Predictive Control for Improving Power Factor of Boost Rectifier

Bouafassa A., Rahmani L., Babes B., BAYINDIR R.

15th IEEE International Conference on Environment and Electrical Engineering (EEEIC), Rome, İtalya, 10 - 13 Haziran 2015, ss.1556-1561

CXVIII. Voltage and Frequency Stability Analysis of AC Microgrid

Colak I., BAYINDIR R., Al-Nussari M., Hossain E.

IEEE International Telecommunications Energy Conference (INTELEC), Namba, PEOPLES R CHINA, 18 - 22 Ekim 2015

CXIX. Dual DC-DC Converter and Monitoring Interface for Asymmetrical String Inverters

KABALCI E., BAYINDIR R., GÖKKUŞ G., Kabalci Y.

4th International Conference on Renewable Energy Research and Applications (ICRERA), Palermo, İtalya, 22 - 25 Kasım 2015, ss.1580-1585

CXX. Hybrid microgrid testbed involving wind solar fuel cell plants A desing and analysis testbed

BAYINDIR R., BEKİROĞLU E., Hossain E., KABALCI E.

International Conference on Energy Research and Application (ICRERA), 19 - 22 Ekim 2014

CXXI. New Control Strategy with Fuzzy Logic Technique in Distribution System for Power Quality Issues

Babu A., Chandra P., SS D., BAYINDIR R.

IEEE Conference: 16th International Power Electronics and Motion Control Conference and Exposition (PEMC), 21 - 24 Eylül 2014

CXXII. Hybrid Microgrid Testbed Involving Wind/Solar/Fuel Cell Plants

KABALCI E., BAYINDIR R., Hossain E.

3rd International Conference on Renewable Energy Research and Application (ICRERA), Wisconsin, Amerika Birleşik Devletleri, 19 - 22 Ekim 2014, ss.880-885

CXXIII. Microgrid Facility at European Union

BAYINDIR R., Hossain E., BEKİROĞLU E., KABALCI E.

3rd International Conference on Renewable Energy Research and Application (ICRERA), Wisconsin, Amerika Birleşik Devletleri, 19 - 22 Ekim 2014, ss.865-872

CXXIV. A New Control Strategy with Fuzzy Logic Technique in Distribution System for Power Quality Issues

Babu P. C., Dash S. S., BAYINDIR R., Subramani C., Mohanty M. N.

16th International Power Electronics and Motion Control Conference and Exposition (PEMC), Antalya, Türkiye, 21 - 24 Eylül 2014, ss.1110-1115

CXXV. Microgrid Test-bed Design with Renewable Energy Sources

KABALCI E., Hossain E., BAYINDIR R.

16th International Power Electronics and Motion Control Conference and Exposition (PEMC), Antalya, Türkiye, 21 - 24 Eylül 2014, ss.907-911

CXXVI. Microgrid facility around Asia and Far East

Hossain E., KABALCI E., BAYINDIR R., DEMİRBAŞ Ş.

3rd International Conference on Renewable Energy Research and Application (ICRERA), Wisconsin, Amerika Birleşik Devletleri, 19 - 22 Ekim 2014, ss.873-879

CXXVII. Matlab/GUI based basic design principles of PID controller in AVR

BÜLBÜL H. İ., BAYINDIR R., bayram M., CAN C.

Power Engineering, Energy and Electrical Drives (POWERENG), 2013, İstanbul, Türkiye, 13 Mayıs 2013 - 17 Mayıs 2013, ss.2103

CXXVIII. Developments of Turkish grid system infrastructure for integration with Europe

ÇOLAK İ., Fulli G., Vitiello S., Tekin I., BAYINDIR R., Demirtaş K.

4th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG'13), 13 - 17 Mayıs 2013, ss.2103

2013

- CXXXIX. **Implementation of a PLC and OPC based DC motor control laboratory**
BAYINDIR R., VADİ S., GOKSUCUKUR F.
Power Engineering, Energy and Electrical Drives (POWERENG), 13 - 15 Mayıs 2013
- CXXX. **C.NET and MATLABsupx00AE/sup based simulation program for basic electrical circuits**
BAYINDIR R., KAPLAN O., CAN C.
International Aegean Conference on Electrical Machines and Power Electronics and Electromotion, Joint Conference, Istanbul, Turkey, 8 - 10 Eylül 2011
- CXXXI. **An Intelligent Tool for ANN Based Power Factor Correction**
Sesveren O., BAYINDIR R.
12th International Conference on Machine Learning and Applications (ICMLA), Florida, Amerika Birleşik Devletleri, 4 - 07 Aralık 2013, ss.218-223
- CXXXII. **Optimization of operating conditions of photovoltaic systems: A case study**
BAYINDIR R., Kabalci E., Bulbul H. İ., Can C.
1st International Conference on Renewable Energy Research and Applications, ICRERA 2012, Nagasaki, Japonya, 11 - 14 Kasım 2012
- CXXXIII. **Optimization o f operating conditions of photovoltaic Systems a case study**
BAYINDIR R., KABALCI E., BÜLBÜL H. İ., CAN C.
International Conference on renewable energy research and applications, 12 - 14 Kasım 2012
- CXXXIV. **Development of Matlab GUI Based Analysis Tool for Wind Turbines**
BAYINDIR R., KABALCI E., KEVEN G., CAN C.
The European Conference & Workshop on Renewable Energy Systems, 17 - 28 Eylül 2012
- CXXXV. **Modelling of an Advanced Metering Infrastructure to Observe the Renewable Microgrids**
KABALCI E., KABALCI Y., BAYINDIR R.
IEEE 21st International Symposium on Power Electronics, Electrical Drives, Automation and Motion-SPEEDAM 2012, 20 - 22 Haziran 2012
- CXXXVI. **Cogging Torque Exploration of Radially and Angularly Directed Fluxes in a New PM Generator with the Multiple Stators**
ÇOLAK İ., DEMİRTAŞ M., BAYINDIR R.
Seventh International Conference and Exhibition on Ecological Vehicles and Renewable Energies (EVER'12), Monte-Carlo, Monako, 22 - 25 Mart 2012
- CXXXVII. **An Intelligent Power Factor Correction Approach Based on Linear Regression and Ridge Regression Methods**
BAYINDIR R., GÖK M., KABALCI E., KAPLAN O.
2011 10th International Conference on Machine Learning and Applications and Workshops, Honolulu, HI, 18 - 21 Aralık 2011
- CXXXVIII. **Microcontroller Based Electrical Machines Training Set**
BAYINDIR R., KABALCI E., Kaplan O., Oz Y. E.
15th International Power Electronics and Motion Control Conference and Exposition (EPE-PEMC ECCE Europe), Novi-Sad, Sırbistan, 4 - 06 Eylül 2012
- CXXXIX. **Excitation Current Forecasting for Reactive Power Compensation in Synchronous Motors: A Data Mining Approach**
BAYINDIR R., YEŞİLBUDAK M., Colak I., SAĞIROĞLU Ş.
11th IEEE International Conference on Machine Learning and Applications (ICMLA), Florida, Amerika Birleşik Devletleri, 12 - 15 Aralık 2012, ss.521-525
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