

## Prof.Dr. RAMAZAN BAYINDIR

### Kişisel Bilgiler

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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, SCI indekste taranan birçok seçkin dergide konuk editör olarak görev yaptı. Şu anda, "Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji" isimli derginin editörlüğünü yürütmektedir. 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 (YI) (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

## Mesleki 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., 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 İle Güç Sistemlerinde Küçük Sinyal Kararlılığının İncelenmesi, A.Sabati(Öğrenci), 2019  
BAYINDIR R., Householder yöntemi ile güç sistemlerinde küçük sinyal kararlılığının incelenmesi, Yüksek Lisans, A.SABATI(Öğrenci), 2019  
BAYINDIR R., FPGA based fuzzy logic controller for multiconverter in dc distributed power systems, Doktora, M.KHALAF(Öğrenci), 2019  
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BAYINDIR R., Çatı tipi güneş enerji santralleri ve dağıtım tesislerine bağlantı kriterleri, Yüksek Lisans, F.ÖNCİN(Öğrenci), 2018  
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BAYINDIR R., Sabit kondansatörlü tristör kontrollü reaktör ile güç katsayısının düzeltilmesi, Yüksek Lisans, A.KÖSE(Öğrenci), 2014  
BAYINDIR R., Senkron motor ile reaktif güç kompanzasyonu benzetimi için web tabanlı bir eğitim aracı, Yüksek Lisans, S.VADİ(Öğrenci), 2014  
BAYINDIR R., Bir pnömatik motor kontrol sisteminin teorik ve deneysel analizi, Doktora, H.GÜNEŞ(Öğrenci), 2012  
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## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

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- IV. **Multi-objective Optimization of a Hybrid Renewable Energy System with a Gas Micro-turbine and a Storage Battery**  
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- VI. **A Review of Control Methods on Suppression of 2 *< italic > & x03C9;</italic > Ripple for Single-Phase Quasi-Z-Source Inverter***  
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- VIII. **Electric Vehicle Charge Stations Location Analysis and Determination-Ankara (Turkey) Case Study**  
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- IX. **Small Signal Stability with the Householder Method in Power Systems**  
Sabati A., BAYINDIR R., Padmanaban S., Hossain E., Tur M. R.  
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- X. **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.  
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Colak I., Kurokawa F., Fahmi N., BAYINDIR R.

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- XII. **An Overview of Energy Scenarios, Storage Systems and the Infrastructure for Vehicle-to-Grid Technology**  
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- XIV. **Stability improvement of microgrids in the presence of constant power loads**  
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- XVI. **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.  
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- XVII. **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.  
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- XVIII. **Stability Analysis of MIMO Microgrid Systems in d-q Axis Platform with Constant Power Loads Based on Popov Absolute Stability Criterion**  
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- XIX. **Smart grid technologies and applications**  
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- XX. **Design and experimental analysis of an advanced static VAR compensator with computer aided control**  
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- XXI. **Microgrid testbeds around the world: State of art**  
Hossain E., KABALCI E., BAYINDIR R., Perez R.  
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- XXII. **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 İndekslerine Giren Dergi)
- XXIII. **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 İndekslerine Giren Dergi)
- XXIV. **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., Sagioglu Ş.

- Energy Conversion and Management, cilt.64, ss.129-138, 2012 (SCI Expanded İndekslerine Giren Dergi)
- XXV. **Design and implementation of an Internet based effective controlling and monitoring system with wireless fieldbus communications technologies for process automation-An experimental study**  
ÇETİNCEVİZ Y., BAYINDIR R.  
ISA TRANSACTIONS, cilt.51, sa.3, ss.461-470, 2012 (SCI İndekslerine Giren Dergi)
- XXVI. **A Remote Laboratory Experiment for 4-Quadrant Control of a DC Motor**  
IRMAK E., BAYINDIR R., Colak I., Soysal M.  
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- XXVII. **A water pumping control system with a programmable logic controller (PLC) and industrial wireless modules for industrial plants-An experimental setup**  
BAYINDIR R., ÇETİNCEVİZ Y.  
ISA TRANSACTIONS, cilt.50, sa.2, ss.321-328, 2011 (SCI İndekslerine Giren Dergi)
- XXVIII. **DESIGN AND APPLICATION OF ELECTROMAGNETIC SOLENOID FOR VALVE MECHANISM ON COMPRESSED AIR ENGINES**  
Koca A., BAYINDIR R., Gunes H., KUNT M. A. , Sakar S.  
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- XXIX. **Review of multilevel voltage source inverter topologies and control schemes**  
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- XXX. **Development of a real time energy monitoring platform**  
BAYINDIR R., IRMAK E., Colak I., Bektas A.  
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- XXXII. **INVESTIGATING INDUSTRIAL RISKS BASED ON INFORMATION SECURITY FOR OBSERVERABLE ELECTRICAL ENERGY DISTRIBUTION SYSTEM AND SUGGESTIONS**  
BAYINDIR R., SAĞIROĞLU Ş., Colak I., Ozbilen A.  
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- XXXIII. **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 İndekslerine Giren Dergi)
- XXXIV. **MICROCONTROLLER BASED WARNING SYSTEM FOR RIGHT PHASE ORDER AND PHASE COLLAPSE FOR ALTERNATORS**  
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- XXXV. **An intelligent power factor corrector for power system using artificial neural networks**  
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- XXXVI. **DESIGN AND IMPLEMENTATION OF AN INTELLIGENT SIMULATOR FOR REACTIVE POWER COMPENSATION**  
BAYINDIR R., DEMİRBAŞ Ş., Sesveren O.  
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- XXXIX. **Low-cost and high sensitively microcontroller based control unit for a friction welding machine**  
BAYINDIR R., ATEŞ H.  
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- XL. **Novel approach based on microcontroller to online protection of induction motors**  
BAYINDIR R., Sefa İ.  
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- XLII. **A novel control unit for a friction welding machine based on computer**  
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- XLIII. **Power factor correction technique based on artificial neural networks**  
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- XLIV. **A novel dynamic reactive power compensator based on PIC**  
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- XLV. **Comparison of the constructed control methods for a friction-welding machine**  
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- XLVI. **Experimental study on reactive power compensation using a fuzzy logic controlled synchronous motor**  
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## **Diğer Dergilerde Yayınlanan Makaleler**

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Jena N. K. , Patel N. C. , Sahoo S., Sahu B. K. , dash s., BAYINDIR R.  
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- II. **Doğru Akım Motoru Kapalı Çevrim Hız Denetim Sistemindeki Pİ Parametrelerinin Genetik ve Parçacık Sürü Algoritması Kullanarak Optimizasyonu**  
VADİ S., BAYINDIR R.  
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- IV. **Application of Invasive Weed Optimization Algorithm to Optimally Design Multi-Stage PID**

### **Controller for LFC Analysis**

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- V. **Design and implementation of a Cuk converter controlled by a direct duty cycle INC-MPPT in PV battery system**  
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- XIX. **Novel application of Selfish Herd Optimisationbased Two Degrees of Freedom CascadedController for AGC Study**  
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- XXIV. **Güç sistemlerinde meta-sezgisel yöntemlerle bir optimizasyon çalışması**  
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XXXV. **Effect of Faults in Solar Panels on Production Rate and Efficiency**

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XXXVII. **Design of an Intelligent Peak Power Converter for Solar Plants with Lead-acid Battery**

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XXXIX. **DC-DC Boost Converter Stability with Constant Power Load**

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

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XLI. **Stabilization of a DC-Link of Microgrids feeding a Inverter-BLDC motor drive using a PI-Fuzzy**

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XLII. **Maximum Power Extraction from a Photovoltaic Panel and a Thermoelectric Generator Constituting a Hybrid Electrical Generation System**

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XLIII. **Capacity Mechanism and Available Applications in Europe**

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- XLVI. **Fuzzy Logic Controller for Dc-Dc Buck Converter with Constant Power Load**  
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- XLIX. **An exploration of the effects of microcontrollers class prepared through web-based learning environment on the academic success of vocational high school students**  
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- LIII. **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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- LVIII. **Hybrid Cascaded Nine Level Inverter using Dspace controller for Standalone Photovoltaic Applications**

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- LIX. **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.  
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- LX. **Implementation of Hybrid Energy Storage Systems to Compensate Microgrid Instability in the Presence of Constant Power Loads**  
HOSSAIN E., PEREZ R., BAYINDIR R.  
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- LXI. **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, İngiltere, 20 - 23 Kasım 2016, ss.772-777
- LXII. **Stability Analysis of an Offshore Wind Farm Connected to Turkish Electricity Transmission System**  
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Int Conference on Renewable Energy Research and Applications, Birmingham, İngiltere, 20 - 23 Kasım 2016, ss.314-318
- LXIII. **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, İngiltere, 20 - 23 Kasım 2016, ss.776-771
- LXIV. **Standarts Based Investigation of Voltage Dips and Voltage Imbalances in an Organized Industrial Zone**  
BAYINDIR R., YEŞİLBUDAK M., ERMİŞ S.  
Power Electronics and Motion Control Conference 2016, Varna, Bulgaristan, 25 - 30 Eylül 2016, ss.469-474
- LXV. **Smart Grid Technologies and Applications** Smart grid technologies can be defined as self sufficient systems that can find solutions to problems quickly inan available system that reduces the workforce and targets sustainable reliable safe and quality electricity to allconsumers In this respect different technological applications can be seen from the perspective of researchersand investors The objective of this presentation is expected to be an important guiding source for researchersand engineers studying the smart grid It also helps transmission and distribution system operators to follow theright path as they are transforming their classical grids to smart grids  
BAYINDIR R.  
IV. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, 28 - 31 Ağustos 2016
- LXVI. **Joint Project Development**  
BAYINDIR R.  
International Cyber Security Workshop and Certificate Program, Istanbul Gelisim University, 23 - 27 Mayıs 2016
- LXVII. **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
- LXVIII. **Stability Analysis of an Offshore Wind Farm Connected to Turkish Electricity Transmission System**  
Demirbas S., BAYINDIR R., Ova A., Cetinkaya U., Yesil M.  
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- LXIX. **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

- LXX. **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
- LXXI. **Implementation of Hybrid Energy Storage Systems to Compensate Microgrid Instability in the Presence of Constant Power Loads**  
Hossain E., Perez R., BAYINDIR R.  
5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, İngiltere, 20 - 23 Kasım 2016, ss.1068-1073
- LXXII. **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
- LXXIII. **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, İngiltere, 20 - 23 Kasım 2016, ss.1117-1121
- LXXIV. **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, İngiltere, 20 - 23 Kasım 2016, ss.1074-1079
- LXXV. **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
- LXXVI. **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, İngiltere, 20 - 23 Kasım 2016, ss.837-844
- LXXVII. **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, İngiltere, 20 - 23 Kasım 2016, ss.578-583
- LXXVIII. **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, İngiltere, 20 - 23 Kasım 2016, ss.1158-1162
- LXXIX. **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
- LXXX. **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

- LXXXI. **Effects of Renewable Energy Sources on the Power System**  
BAYINDIR R., DEMİRBAŞ Ş., IRMAK E., Cetinkaya U., Ova A., Yesil M.  
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- LXXXII. **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
- LXXXIII. **Akıllı Şebeke Yönetimi ve Güvenliği**  
BAYINDIR R.  
AKILLI BELEDİYESİ ZİRVESİ, Bursa, Türkiye, 14 - 15 Mayıs 2015
- LXXXIV. **Kamu Binaları için Mikro Şebeke Tasarımı ve Ekonomik Değerlendirmesi**  
ÇETİNKAYA Ü., BAYINDIR R.  
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- LXXXV. **Implementation of a Hybrid Renewable Energy Plant with Remote Monitoring Features**  
KABALCI E., BAYINDIR R.  
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- LXXXVI. **Multi-Period Prediction of Solar Radiation Using ARMA and ARIMA Models**  
Colak I., YEŞİLBUDAK M., Genç N., BAYINDIR R.  
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- LXXXVII. **Statistical Scenarios for Demand Forecast of a High Voltage Feeder: A Comparative Study**  
BAYINDIR R., YEŞİLBUDAK M., Cetinkaya U., BÜLBÜL H. İ., Arslan F.  
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- LXXXVIII. **Experimental Design of a Finite State model Predictive Control for Improving Power Factor of Boost Rectifier**  
Bouafassa A., Rahmani L., Babes B., BAYINDIR R.  
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- LXXXIX. **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
- XC. **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
- XCI. **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
- XCII. **Load and Short-Circuit Analyses of the Electricity Transmission System for Industry Regions in Ankara**  
BAYINDIR R., YEŞİLBUDAK M., Cetinkaya U.  
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- XCIII. **Hybrid microgrid testbed involving wind solar fuel cell plants A desing and analysis testbed**  
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- XCIV. New Control Strategy with Fuzzy Logic Technique in Distribution System for Power Quality Issues**  
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- XCv. Hybrid Microgrid Testbed Involving Wind/Solar/Fuel Cell Plants**  
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- XCVI. Microgrid Facility at European Union**  
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- XCvII. Microgrid facility around Asia and Far East**  
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- XCvIII. Microgrid Test-bed Design with Renewable Energy Sources**  
KABALCI E., Hossain E., BAYINDIR R.  
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- XCIX. A New Control Strategy with Fuzzy Logic Technique in Distribution System for Power Quality Issues**  
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- C. Matlab/GUI based basic design principles of PID controller in AVR**  
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- CI. 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
- CII. Implementation of a PLC and OPC based DC motor control laboratory**  
BAYINDIR R., VADİ S., GOKSUCUKUR F.  
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- CIII. C.NET and MATLABsupx00AE/sup based simulation program for basic electrical circuits**  
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- CIV. An Intelligent Tool for ANN Based Power Factor Correction**  
Sesveren O., BAYINDIR R.  
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- CV. Optimization of operating conditions of photovoltaic systems: A case study**  
BAYINDIR R., Kabalci E., Bulbul H. İ., Can C.  
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- CVI. Optimization of operating conditions of photovoltaic Systems a case study**  
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- CVII. Development of Matlab GUI Based Analysis Tool for Wind Turbines**

- BAYINDIR R., KABALCI E., KEVEN G., CAN C.  
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- CVIII. **Modelling of an Advanced Metering Infrastructure to Observe the Renewable Microgrids**  
KABALCI E., KABALCI Y., BAYINDIR R.  
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- CIX. **Cogging Torque Exploration of Radially and Angularly Directed Fluxes in a New PM Generator with the Multiple Stators**  
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- CXI. **Microcontroller Based Electrical Machines Training Set**  
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Novi-Sad, Sırbistan, 4 - 06 Eylül 2012
- CXII. **Excitation Current Forecasting for Reactive Power Compensation in Synchronous Motors: A Data Mining Approach**  
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- CXIII. **Application of Adaptive Artificial Neural Network Method to Model the Excitation Currents of Synchronous Motors**  
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11th IEEE International Conference on Machine Learning and Applications (ICMLA), Florida, Amerika Birleşik  
Devletleri, 12 - 15 Aralık 2012, ss.498-502
- CXIV. **Monitoring Parameters of Synchronous Motor Via Internet**  
BAYINDIR R., Vadi S.  
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14 Kasım 2012
- CXV. **A comparative study of harmonic extraction methods for single phase shunt active power filter**  
ÇOLAK İ., BAYINDIR R., IRMAK E., KAPLAN O.  
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- CXVI. **MATLAB GUI based simulation for photovoltaic systems**  
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- CXVII. **Investigation of the effect of magnet thickness on output power and torque of PM BLDC machines using parametric approach method**  
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- CXVIII. **Investigation of the effect of magnet thickness on motor losses of PM BLDC machines using parametric approach method**  
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- CXIX. **A Novel Converter Design and Optimisation for Solar Energy System**  
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- CXX. **A novel technique for power factor calculation using a PLC**  
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- CXXI. **C#.NET and MATLAB((R)) Based Simulation Program for Basic Electrical Circuits**  
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- CXXII. **Modelling a 7-Level Asymmetrical H-Bridge Multilevel Inverter with PS-SPWM Control**  
KABALCI E., Colak I., BAYINDIR R., Pavlitov C.  
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- CXXIII. **DC Bus Voltage Regulation of an Active Power Filter Using a Fuzzy Logic Controller**  
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- CXXIV. **Trafosuz Elektrofüzyon Kaynak Makinesinin Güç Devresi Benzetimi**  
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- CXXV. **Design and simulation of a drive system for speed control of travelling wave ultrasonic motor**  
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- CXXVI. **A Novel Data Acquisition System for Monitoring Hybrid Energy Systems**  
ÇOLAK İ., DEMİRTAŞ M., BAYINDIR R.  
Fifth International Conference and Exhibition on Ecological Vehicles and Renewable Energies (EVER'10), Monte-Carlo, Monako, 25 - 28 Mart 2010
- CXXVII. **A Modified Harmonic Mitigation Analysis Using Third Harmonic Injection PWM in a Multilevel Inverter Control**  
Colak I., BAYINDIR R., KABALCI E.  
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- CXXVIII. **The design and analysis of a 5-level cascaded voltage source inverter with low THD**  
Colak I., KABALCI E., BAYINDIR R., Sagioglu Ş.  
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- CXXIX. **Application of Microcontroller Based Meteorology Station**  
DEMİRTAŞ M., BAYINDIR R., DEMİRBAŞ Ş., SEFA İ.  
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- CXXX. **Simulation of Parallel Connected DC DC Boost Converter for Hybrid Energy Sources**  
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- CXXXI. **Simulation of Speed Control for Travelling Wave Ultrasonic Motor**  
DEMİRTAŞ M., BAYINDIR R., DEMİRBAŞ Ş., SEFA İ.  
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- CXXXII. **The Fuzzy Logic Control of a Multilevel Converter in a Variable Speed Wind Turbine**  
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**CXXXIV. Modeling of a three phase SPWM multilevel VSI with low THD using Matlab/Simulink**

Colak I., KABALCI E., BAYINDIR R., BAL G.

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**CXXXV. Development of an Intelligent Decision Support System for Determining the Efficiency of Shunt Active Power Filter**

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**CXXXVIII. A User Friendly Educational Tool for Observing Synchronous Motor Operation Conditions**

BAYINDIR R., SEFA İ., DEMİRBAŞ Ş., ÇOLAK İ., GÖRGÜN A.

4. International Conference on Technical and Physical Problems in Power Engineering, 4 - 06 Eylül 2008

**CXXXIX. A Web Based Real Time Speed Control Experiment on Ultrasonic Motor for Educational Purposes**

IRMAK E., BAYINDIR R., Colak I., SAĞIROĞLU Ş., BAL G.

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**CXL. Protection of induction motor using PLC**

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**CXLI. Remote Control Of DC Motor Over the Internet**

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ÇOLAK İ., BAYINDIR R., SEFA İ., DEMİRBAŞ Ş., BAL G.

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**CXLIII. Microcontroller based protection of induction motors**

ÇOLAK İ., BAYINDIR R., DEMİRBAŞ Ş., SEFA İ., BAL G.

3rd International Conference on Technical and Physical Problems in Power Engineering, Ankara, Türkiye, 29 - 31 Mayıs 2006, ss.164-167

**CXLIV. Güneş Pillerinin Elektrik Enerjisi Üretiminde Kullanımı**

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**CXLV. Hibrit Enerji Sistemleri İçin Paralel Çalışabilen Boost Konvertör Simülasyonu**

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- CXLVI. **Açık veya Kapalı Döngü Denetim Sistemlerinin Web Tabanlı Benzetimi**  
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