

Prof. MEHMET HAKAN HOCAOĞLU

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAE-6370-2019

ScopusID: 57219053245

Yoksis Researcher ID: 36824

Education Information

Doctorate, University of Wales, Cardiff, England 1994 - 1999

Postgraduate, Marmara University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (Yıl) (Tezli), Turkey 1985 - 1989

Undergraduate, Marmara University, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, Turkey 1981 - 1985

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Power system transients and earthing systems, University of Wales, Cardiff, 1999

Postgraduate, Hat parametrelerinin frekansa bağımlılığı, Marmara University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (Yıl) (Tezli), 1989

Research Areas

Electrical and Electronics Engineering, Engineering and Technology

Academic Titles / Tasks

Professor, İstanbul Commerce University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2021 - Continues

Professor, Gebze Technical University, 2015 - 2021

Associate Professor, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Fakültesi, Elektronik Mühendisliği Bölümü, 2009 - 2015

Assistant Professor, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Fakültesi, Elektronik Mühendisliği Bölümü, 1999 - 2009

Research Assistant, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Fakültesi, Elektronik Mühendisliği Bölümü, 1993 - 1999

Academic and Administrative Experience

Istanbul Commerce University, 2022 - Continues

Istanbul Commerce University, 2021 - 2022

Head of Department, Gebze Yüksek Teknoloji Enstitüsü, 2000 - 2021

Gebze Technical University, 2018 - 2019

Gebze Technical University, 2017 - 2019

Gebze Technical University, 2015 - 2017

Gebze Yüksek Teknoloji Enstitüsü, 2000 - 2014

Gebze Yüksek Teknoloji Enstitüsü, 2001 - 2007

Gaziantep University, 1988 - 1993

Gaziantep University, 1988 - 1990

Courses

Circuit Theory II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003

Introduction to Electrical and Electronics Engineering, Undergraduate, 2021 - 2022

Power System Grounding, Undergraduate, 2021 - 2022

Introduction to Power System Analysis, Undergraduate, 2021 - 2022

Design Project, Undergraduate, 2021 - 2022

Graduation Project, Undergraduate, 2021 - 2022

Circuit Theory I, Undergraduate, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002

Power Systems Fault Analysis and Earthing System Design, Doctorate, 2020 - 2021, 2019 - 2020

Introduction to Power Distribution Systems, Undergraduate, 2020 - 2021

Circuit Theory, Undergraduate, 2019 - 2020

Electrical Transients in Power Systems, Doctorate, 2019 - 2020, 2017 - 2018, 2016 - 2017

Grounding Technics, Undergraduate, 2018 - 2019

Fundamentals of Power System Analysis, Undergraduate, 2018 - 2019

Fundamentals of Power Systems Analysis, Undergraduate, 2017 - 2018, 2016 - 2017

Introduction to Electric Power Systems and Smart Grids, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Introduction of Power Systems, Undergraduate, 2016 - 2017

Computer Based Analysis of Power Systems, Doctorate, 2015 - 2016, 2014 - 2015

Computer Based Analysis Of Power Systems, Postgraduate, 2013 - 2014

Power Quality and harmonics, Doctorate, 2013 - 2014

Advising Theses

MEHMET HAKAN H., Orta Gerilim Şebekelerinde Toprak Arızası İçin Koruma Karar Destek Sistemi Geliştirilmesi, Doctorate, M.BEKİR(Student), 2021

MEHMET HAKAN H., Distribution network reconfiguration for smart grid operation, Doctorate, A.AYBİKE(Student), 2021

MEHMET HAKAN H., Asenkron generatörlü rüzgar türbinlerinin dengesiz gerilim altında dağıtım sistemlerinde yük akışı

için modellenmesi, Doctorate, A.KÖKSOY(Student), 2020

MEHMET HAKAN H., DA-DA flyback çevircilerde doğrusal olmayan denetim, Postgraduate, A.DOĞA(Student), 2019

MEHMET HAKAN H., Darbeli yüklerin gerilim değişimleri üzerindeki etkisinin incelenmesi, Postgraduate, O.BADEMCİ(Student), 2019

MEHMET HAKAN H., Enerji altında yüksek gerilim şalt tesislerinde topraklama ölçümü ve analizi: Denizli-1 trafo merkezi örneği, Postgraduate, C.ÖZDEMİR(Student), 2019

MEHMET HAKAN H., Etkin topraklanmayan şebekelerde koruma ve koordinasyon, Postgraduate, M.BEKİR(Student), 2019

MEHMET HAKAN H., Demand modelling for future distribution networks, Postgraduate, J.PEPOSHI(Student), 2018

MEHMET HAKAN H., Harmonik üreten yükleri tespit edebilen cihaz tasarım ve analizi, Postgraduate, F.YILMAZ(Student), 2016

MEHMET HAKAN H., Kaçak akım rölelerinin hatalı çalışmalarına etki eden faktörlerin incelenmesi, Postgraduate, E.KORKMAZ(Student), 2015

MEHMET HAKAN H., Dağıtım sistemlerine yapay arı kolonisi algoritması ile yerel elektrik santrallerinin yerleştirilmesi, Postgraduate, A.AYBİKE(Student), 2013

MEHMET HAKAN H., Tek faz geri kapamada ark arızasının adalıne tabanlı algılanması, Doctorate, Ö.KARACASU(Student), 2012

MEHMET HAKAN H., Ölçü akım transformatörlerinin doğruluğunun sinüzoidal olmayan şartlar altında deneysel incelenmesi, Postgraduate, E.ANİĞİ(Student), 2012

MEHMET HAKAN H., Dağıtım sistemlerinde harmonik güç akışı algoritmalarının ve yük modellerinin karşılaştırılması, Postgraduate, O.ÖZTÜRK(Student), 2011

MEHMET HAKAN H., Gerilim dengesizliklerinin asenkron motor performansına etkisinin incelenmesi, Postgraduate, F.IŞIK(Student), 2011

MEHMET HAKAN H., LabVIEW tabanlı gelişmiş güç kalitesi analizörü, Postgraduate, S.DİNÇER(Student), 2010

MEHMET HAKAN H., Harmonik üreten yüklerin belirlenmesi ve optimum kompanzasyon için yeni bir güç ifadesi, Doctorate, M.ERHAN(Student), 2009

MEHMET HAKAN H., Tek faz geri kapama sistemlerinin modellenmesi, Postgraduate, M.YÜKSEK(Student), 2009

MEHMET HAKAN H., Dağıtım sistemlerine yerel elektrik santrallerinin yerleştirilmesi, Doctorate, T.GÖZEL(Student), 2009

MEHMET HAKAN H., Dağıtım sistemleri için yeni bir güç akışı algoritmasının geliştirilmesi, Doctorate, U.EMİNOĞLU(Student), 2007

MEHMET HAKAN H., Aktif ve reaktif enerji ölçen sayaçların sinüzoidal olmayan şartlarda performans analizi, Postgraduate, B.ELMASLAR(Student), 2006

MEHMET HAKAN H., Gerilim değişimlerinin daimi kondansatörlü bir fazlı asenkron motoru üzerindeki etkileri, Postgraduate, İ.EVREN(Student), 2006

MEHMET HAKAN H., Elektrik dağıtım şebekelerinde gerilim değişimlerinin incelenmesi, Postgraduate, Y.BORHAN(Student), 2006

MEHMET HAKAN H., Harmonik üreten yüklerde ait yaygın olarak kullanılan modellerin uygulaması, Postgraduate, Ö.KILIÇ(Student), 2006

MEHMET HAKAN H., Ölçü akım transformatörlerinin matematiksel modeli ve sinüzoidal olmayan şartlarda simulasyon ile performansının incelenmesi, Postgraduate, S.YILDIZ(Student), 2005

MEHMET HAKAN H., Sinüzoidal olmayan şartlarda güç tanımları ve yük modelleri, Postgraduate, M.ERHAN(Student), 2004

MEHMET HAKAN H., Elektrikli savaş gemilerinde topraklama, Postgraduate, M.TURHAN(Student), 2003

MEHMET HAKAN H., Optimum kojenerasyon tesislerinin süperyapı tabanlı sentezi, Postgraduate, T.USLU(Student), 2003

MEHMET HAKAN H., DC tıhrikli raylı ulaşım sistemlerinde ray üzerindeki gerilim ve sızıntı akımının hesaplanması, Postgraduate, K.ÇOLAK(Student), 2003

MEHMET HAKAN H., Karmaşık topraklama sistemlerinde topraklama empedansının ölçülmesi, Postgraduate, O.KATİPOĞULLARI(Student), 2003

MEHMET HAKAN H., Orta gerilim elektrik dağıtım sistemlerinde harmoniklerin analizi, Postgraduate, M.GÖNEN(Student), 2003

MEHMET HAKAN H., Bozulmuş dalga şekilli şebekede enerji ölçümü, Postgraduate, H.CEMEK(Student), 2003

MEHMET HAKAN H., Orta gerilim şebekelerinde kısa süreli gerilim değişimlerinin topraklama metodlarına bağlı incelenmesi, Postgraduate, Ö.KARACASU(Student), 2002

MEHMET HAKAN H., Güç sistemleri için görsel simülör arayüzü, Postgraduate, T.GÖZEL(Student), 2002

MEHMET HAKAN H., PV (photo-voltaic) temelli enerji sistemleri ve ülkemiz için bir güneş santrali modellemesi, Postgraduate, B.KÖKDEN(Student), 2002

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Method-hybridization for preventing capacitive current based false trips in Turkish cable dense distribution networks** Kablo yoğun Türk dağıtım şebekelerinde kapasitif akım temelli hatalı açmaların engellenmesi için yöntem-hibritasyonu
Atsever M. B., Hocaoğlu M. H.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.39, no.2, pp.883-897, 2024 (SCI-Expanded)
- II. **A faulty feeder selection method for distribution network with unintentional resonance in zero sequence circuit**
Atsever M. B., HOCAOĞLU M. H.
Electric Power Systems Research, vol.223, 2023 (SCI-Expanded)
- III. **Improvement of PV unit hosting capacity and voltage profile in distorted radial distribution systems via optimal sizing and placement of passive filters**
Karadeniz A., Balci M. E., HOCAOĞLU M. H.
Electrical Engineering, vol.105, no.4, pp.2185-2198, 2023 (SCI-Expanded)
- IV. **Mitigation of sympathy trips in highly cabled non-effectively earthed radial distribution systems via MINLP**
Atsever M. B., HOCAOĞLU M. H.
Electric Power Systems Research, vol.220, 2023 (SCI-Expanded)
- V. **Minimization of Voltage Harmonic Distortion of Synchronous Generators under Non-Linear Loading via Modulated Field Current**
Karakaya O., Balci M. E., HOCAOĞLU M. H.
Energies, vol.16, no.4, 2023 (SCI-Expanded)
- VI. **Risk assessment of renewable energy and multi-carrier energy storage integrated distribution systems**
Tunçel S., Oskouei M. Z., Şeker A. A., Gözel T., Hocaoğlu M. H., Abapour M., Mohammadi-Ivatloo B.
International Journal of Energy Research, vol.46, no.15, pp.23630-23642, 2022 (SCI-Expanded)
- VII. **Performance analysis of three-phase five-leg transformers under DC bias using a new frequency-dependent reluctance-based model**
Canturk S., Balci M. E., HOCAOĞLU M. H., Koseoglu A. K.
IET Generation, Transmission and Distribution, vol.16, no.12, pp.2455-2465, 2022 (SCI-Expanded)
- VIII. **Accuracy assessment of frequency-domain models for harmonic analysis of residential type photovoltaic-distributed generation units**
Karadeniz A., Ozturk O., Koksoy A., Bekir Atsever M., Balci M. E., HOCAOĞLU M. H.
Solar Energy, vol.233, pp.182-195, 2022 (SCI-Expanded)
- IX. **A Critical Review on the Impacts of Energy Storage Systems and Demand-Side Management Strategies in the Economic Operation of Renewable-Based Distribution Network**
Oskouei M. Z., Şeker A. A., Tunçel S., Demirbaş E., Gözel T., HOCAOĞLU M. H., Abapour M., Mohammadi-Ivatloo B.
Sustainability (Switzerland), vol.14, no.4, 2022 (SCI-Expanded)
- X. **Investigation of the Effects of DC Bias on Single-Phase Shell Type Transformers Using Frequency-Dependent Reluctance-Based Model**
Canturk S., Balci M. E., HOCAOĞLU M. H., Koseoglu A. K.
IEEE Transactions on Magnetics, vol.57, no.9, 2021 (SCI-Expanded)

- XI. **BIBC matrix modification for network topology changes: Reconfiguration problem implementation**
Şeker A. A., Gözel T., HOCAOĞLU M. H.
Energies, vol.14, no.10, 2021 (SCI-Expanded)
- XII. **Quantitative Evaluation of Data Centers' Participation in Demand Side Management**
Takci M. T., Gozel T., HOCAOĞLU M. H.
IEEE Access, vol.9, pp.14883-14896, 2021 (SCI-Expanded)
- XIII. **COVID19 Led Virtualization: Green Data Center for Information Systems Research**
Lee H., Choi Y., Van Nguyen T., Hai Y., Kim J., Bahja M., HOCAOĞLU M. H.
Information Systems Management, vol.37, no.4, pp.272-276, 2020 (SCI-Expanded)
- XIV. **A newwind turbine generating system model for balanced and unbalanced distribution systems load flow analysis**
Koksoy A., Ozturk O., Balci M. E., HOCAOĞLU M. H.
Applied Sciences (Switzerland), vol.8, no.4, 2018 (SCI-Expanded)
- XV. **A current decomposition-based method for computationally efficient implementation of power resolution meters in non-sinusoidal single-phase systems**
Balci M. E., HOCAOĞLU M. H.
Metrology and Measurement Systems, vol.20, no.2, pp.263-274, 2013 (SCI-Expanded)
- XVI. **An Adaline based arcing fault detection algorithm for single-pole autorecloser**
Karacasu O., HOCAOĞLU M. H.
Electric Power Systems Research, vol.81, no.2, pp.367-376, 2011 (SCI-Expanded)
- XVII. **An analysis on the nonactive powers for nonsinusoidal conditions Si•nüzo•dal olmayan şartlarda aktif olmayan güçler üzerine bir analiz**
Balci M. E., HOCAOĞLU M. H.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.26, no.2, pp.307-313, 2011 (SCI-Expanded)
- XVIII. **Comments on "the role of Poynting's vector in polyphase power calculations"**
Balci M., HOCAOĞLU M. H., Aksoy S.
European Transactions on Electrical Power, vol.20, no.8, pp.1255, 2010 (SCI-Expanded)
- XIX. **DSPFAP: Distribution systems power flow analysis package using matlab graphical user interface (GUI)**
Eminoglu U., Gözel T., HOCAOĞLU M. H.
Computer Applications in Engineering Education, vol.18, no.1, pp.1-13, 2010 (SCI-Expanded)
- XX. **A comprehensive review and adequacy evaluation of voltage stability indices for modern distribution systems**
Eminoglu U., HOCAOĞLU M. H., Ayasun S.
International Review of Electrical Engineering, vol.5, no.2, pp.698-708, 2010 (SCI-Expanded)
- XXI. **An analytical method for the sizing and siting of distributed generators in radial systems**
Gözel T., HOCAOĞLU M. H.
Electric Power Systems Research, vol.79, no.6, pp.912-918, 2009 (SCI-Expanded)
- XXII. **Distribution systems forward/backward sweep-based power flow algorithms: A review and comparison study**
Eminoglu U., HOCAOĞLU M. H.
Electric Power Components and Systems, vol.37, no.1, pp.91-110, 2009 (SCI-Expanded)
- XXIII. **Incorporation of a new wind turbine generating system model into distribution systems load flow analysis**
Eminoglu U., Dursun B., HOCAOĞLU M. H.
Wind Energy, vol.12, no.4, pp.375-390, 2009 (SCI-Expanded)
- XXIV. **Transmission line shunt and series compensation with voltage sensitive loads**
Eminoglu U., HOCAOĞLU M. H., Yalcinoz T.
International Journal of Electrical Engineering and Education, vol.46, no.4, pp.354-369, 2009 (SCI-Expanded)
- XXV. **Three-phase transformer and voltage regulator modelling for forward/backward sweep-based**

- distribution system power flow algorithms**
Eminoglu U., HOCAOĞLU M. H.
International Journal of Electrical Engineering and Education, vol.46, no.1, pp.30-46, 2009 (SCI-Expanded)
- XXVI. A tool for voltage stability and optimization (VS&OP) in radial distribution systems using matlab graphical user interface (GUI)**
Gözel T., Eminoglu U., HOCAOĞLU M. H.
Simulation Modelling Practice and Theory, vol.16, no.5, pp.505-518, 2008 (SCI-Expanded)
- XXVII. A pre-feasibility case study on integrated resource planning including renewables**
Bolat P., HOCAOĞLU M. H., Konukman A. E. S.
Energy Policy, vol.36, no.3, pp.1223-1232, 2008 (SCI-Expanded)
- XXVIII. Quantitative comparison of power decompositions**
Erhan Balci M., HOCAOĞLU M. H.
Electric Power Systems Research, vol.78, no.3, pp.318-329, 2008 (SCI-Expanded)
- XXIX. A new power flow method for radial distribution systems including voltage dependent load models**
Eminoglu U., HOCAOĞLU M. H.
Electric Power Systems Research, vol.76, no.1-3, pp.106-114, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **KABLO YOĞUN RADYAL DAĞITIM ŞEBEKELERİNDE KAPASİTİF AKIM TEMELLİ HATALI AÇMALARIN İNCELENMESİ**
ATSEVER M. B., HOCAOĞLU M. H.
Problems of Energy and Resource Saving, vol.1, no.1, pp.167-177, 2021 (Peer-Reviewed Journal)
- II. **Determination of Proper Angle Settings in Resistance Grounded Distribution Systems for Directional Earth Fault Relays**
ATSEVER M. B., KARACASU Ö., HOCAOĞLU M. H.
Turkish Journal of Electrical Power and Energy Systems, vol.1, pp.26-32, 2021 (Peer-Reviewed Journal)
- III. **A power resolution for cost effective compensation and harmonic source detection in smart power grids**
Balci M. E., HOCAOĞLU M. H.
Istanbul University - Journal of Electrical and Electronics Engineering, vol.17, pp.3155-3168, 2017 (Scopus)
- IV. **On the Definition of Apparent Power**
CANTÜRK Ş., BALCI M. E., HOCAOĞLU M. H.
Electric Power Quality and Utilisation Journal, vol.18, no.2, pp.1-10, 2015 (Peer-Reviewed Journal)
- V. **A New PV-Node Modeling for the Distribution Systems Power Flow Algorithms**
EMİNOĞLU U., HOCAOĞLU M. H.
International Journal of Distributed Energy Resources, vol.6, no.1, pp.1-17, 2010 (Peer-Reviewed Journal)
- VI. **A New PV Node Modelling for Distribution Systems Power Flow Algorithms**
EMİNOĞLU U., HOCAOĞLU M. H.
International Journal of Distributed Energy ResourcesVolume 6 Number 1 (2010) Pages 1 - 17 Manuscript received: 22. September 2008 International Journal of Distributed Energy Resources, vol.6, no.1, pp.1-18, 2010 (Peer-Reviewed Journal)
- VII. **A NETWORK TOPOLOGY-BASED VOLTAGE STABILITY INDEX FOR RADIAL DISTRIBUTION NETWORKS**
EMİNOĞLU U., HOCAOĞLU M. H.
INTERNATIONAL JOURNAL OF POWER AND ENERGY SYSTEMS, vol.29, no.2, pp.131-143, 2009 (Scopus)
- VIII. **Effects of Source Voltage Harmonic Distortion on Power Factor Compensation in Triac Controlled AC Chopper Circuits**
BALCI M. E., HOCAOĞLU M. H.
Electrical Power Quality and Utilisation Journal, vol.14, no.1, pp.53-60, 2008 (Peer-Reviewed Journal)
- IX. **Yüksek Gerilim Tesislerinde Topraklama**

HOCAOĞLU M. H.

Endüstri&Otomasyon Dergisi, no.46, pp.26-27, 2001 (Peer-Reviewed Journal)

Books & Book Chapters

- I. Frequency-domain power theory and metering of harmonic pollution responsibility
BALCI M. E., HOCAOĞLU M. H.
in: Power Quality in Future Electrical Power Systems, Ahmed F. Zobaa and Shady Hossam Eldeen Abdel Aleem, Editor, IET, pp.29-76, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. EMTP-ATP Draw Modelling for Partial Discharge Detection and Location System for Underground Cables
ATSEVER M. B., HOCAOĞLU M. H., Yüzgüleç S., Deveci U., Yilmaz S. C., YARKAN S., BOYACI A., Mesci N., Mesci N.
2024 11TH INTERNATIONAL CONFERENCE ON ELECTRICAL AND ELECTRONICS ENGINEERING, Muğla, Turkey, 22 April 2024
- II. OPTIMAL OVERCURRENT RELAY COORDINATION IN DISTRIBUTION NETWORKS USING PATH FINDER ALGORITHM
ATSEVER M. B., HOCAOĞLU M. H.
4th International Turkish World Engineering and Science Congress, Antalya, Turkey, 30 November - 04 December 2023
- III. Zero-Sequence Based Fault Location in Non-Effectively Earthed Distribution Systems
Atsever M. B., Deveci U., Yilmaz S. C., HOCAOĞLU M. H.
57th International Universities Power Engineering Conference: Big Data and Smart Grids, UPEC 2022, İstanbul, Turkey, 30 August - 02 September 2022
- IV. Time Characteristic Curve Based Earth Fault Relay Selectivity Assessment for Optimal Overcurrent Relay Coordination in Distribution Networks
Atsever M. B., Hocaoğlu M. H.
57th International Universities Power Engineering Conference: Big Data and Smart Grids, UPEC 2022, İstanbul, Turkey, 30 August - 02 September 2022
- V. Optimal Overcurrent Relay Coordination Using Grey Wolf Optimizer
ATSEVER M. B., HOCAOĞLU M. H.
3rd International Turkish World Engineering and Science Congress, Turkey, 22 November 2021, pp.127-134
- VI. Reluctance Model Considering Frequency Dependency of Winding Losses For Single-Phase Shell Type Transformers
CANTÜRK Ş., BALCI M. E., HOCAOĞLU M. H., KÖSEOĞLU A. K.
3. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Turkey, 22 October 2021, pp.87-98
- VII. An Approach To Improve Harmonic Distortion of Synchronous Generator Terminal Voltage Under Non-Linear Loading : ANN Based Synthesis of Excitation Current
KARAKAYA O., BALCI M. E., HOCAOĞLU M. H.
3. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Turkey, 22 October 2021
- VIII. Optimal overcurrent relay coordination in distribution networks
Atsever M. B., Karacasu O., HOCAOĞLU M. H.
56th International Universities Power Engineering Conference, UPEC 2021, Virtual, Middlesbrough, England, 31 August - 03 September 2021
- IX. Distribution network risk assessment in the presence of RES and ESS
Tuncel S., Gozel T., Seker A. A., Oskouei M. Z., Mohammadi-Ivatloo B., Abapour M., HOCAOĞLU M. H.
2021 11th Smart Grid Conference, SGC 2021, Tabriz, Iran, 7 - 09 December 2021

- X. **Earth Fault Protection Selectivity Issues on Reactance Earthed Distribution System**
Atsever M. B., Karacasu O., HOCAOĞLU M. H.
13th International Conference on Electrical and Electronics Engineering, ELECO 2021, Virtual, Bursa, Turkey, 25 - 27 November 2021, pp.257-262
- XI. **Performance Analysis of Different Optimization Algorithms on Overcurrent Relay Coordination Problem in Distribution Systems**
Atsever M. B., Karacasu O., HOCAOĞLU M. H.
2021 11th Smart Grid Conference, SGC 2021, Tabriz, Iran, 7 - 09 December 2021
- XII. **The Importance of Multi Layer Soil Model in Substation Grounding System Design**
Azizi R., Gürsanlı Ö., KARACASU Ö., Güzel S., HOCAOĞLU M. H.
2020 12th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 November 2020, pp.125-130
- XIII. **The Effect of Zero Sequence Impedance Parameters on Distance Protection Settings: A Case Study**
GÜZEL S., Gürsanlı Ö., ÖZTÜRK O., KARACASU Ö., Akdeniz M., HOCAOĞLU M. H.
2020 12th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 November 2020, pp.119-124
- XIV. **Determination of Proper Angle Settings for Resistance Grounded Distribution Systems for Directional Earth Fault Relays**
ATSEVER M. B., KARACASU Ö., HOCAOĞLU M. H.
2020 12th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 November 2020, pp.113-118
- XV. **Forecasting Power Consumption of IT Devices in a Data Center**
TAKCI M. T., GÖZEL T., HOCAOĞLU M. H.
2019 20th International Conference on Intelligent System Application to Power Systems (ISAP), Yeni Delhi, India, 16 April 2020 - 14 December 2019
- XVI. **Radyal Dağıtım Sistemlerinde Yönlü ve Yönsüz Koruma Performanslarının Tek Faz Toprak Arızası İçin Karşılaştırılması**
ATSEVER M. B., Karacasu Ö., HOCAOĞLU M. H.
ELECO 2018 Elektrik-Elektronik ve Biyomedikal Mühendisliği Konferansı, Bursa, Turkey, 30 November - 01 December 2018, pp.20-24
- XVII. **Radyal Dağıtım Sistemleri için Yönlü Koruma Eğrisinin ve Denkleminin Belirlenmesi**
ATSEVER M. B., Karacasu Ö., HOCAOĞLU M. H.
2.Uluslararası Türk DünyasMühendislik ve Fen Bilimleri Kongresi, Antalya, Turkey, 7 - 10 November 2019, vol.1, pp.426-434
- XVIII. **YAPAY SINİR AĞLARI YÖNTEMİ İLE VERİ MERKEZİ GÜC TÜKETİMİ TAHMİNİ VE SİMÜLATÖR ARA YÜZ TASARIMI**
TAKCI M. T., GÖZEL T., HOCAOĞLU M. H.
2. ULUSLARARASI TÜRK DÜNYASI MÜHENDİSLİK VE FEN BİLİMLERİ KONGRESİ, Antalya, Turkey, 7 - 10 November 2019, vol.2, pp.465-473
- XIX. **Maximizing DG Penetration with an Analytical Approach and Artificial Bee Colony Algorithm**
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