

Assoc. Prof. OĞUZHAN CEYLAN

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAG-1749-2019

ScopusID: 26665865200

Biography

Dr. Oğuzhan Ceylan has graduated from Istanbul Technical University Electrical Engineering Dept. as an Electrical Engineer. He got his MSc and PhD degrees from Computational Science and Engineering Department, Istanbul Technical University, Informatics Institute. He was trainee and a visiting researcher from 2005 to 2006 at Digsilent GMBH. He did his Post-Doctoral Studies at University of Tennessee, Knoxville (2013-2015). He was involved in CSEISMIC Project at Oak Ridge National Lab (2014-2015). After coming back to Turkey, he worked as an Assistant Prof. Dr. at Kemerburgaz University till 2017. From 2017 to 2021 he was a faculty member at Kadir Has University MIS Department. Since September 2021 he has Assistant Prof. Position at Electrical and Electronics Eng. Department, Engineering Faculty, Marmara University. Since, February 2022, he got Associate Prof. Title from UAK.

Education Information

Doctorate, Istanbul Technical University, Bilişim Enstitüsü, Turkey 2003 - 2012

Postgraduate, Istanbul Technical University, Bilişim Enstitüsü, Turkey 2000 - 2003

Undergraduate, Istanbul Technical University, Turkey 1995 - 2000

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Akıllı yöntem tabanlı tekli ve ikili kısıtlılık analizi, Istanbul Technical University, Bilişim Enstitüsü, Hesaplamalı Bilim Ve Mühendislik, 2012

Postgraduate, Elektrik güç sistemlerinde oyun teorisi uygulamaları, Istanbul Technical University, Bilişim Enstitüsü, 2003

Research Areas

Energy

Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Engineering, Electrical and Electronics Engineering, 2021 - Continues
Assistant Professor, Kadir Has University, Faculty Of Business Administration, Department Of Management Information Systems, 2017 - 2021
Assistant Professor, Altinbas University, Faculty Of Engineering And Natural Sciences, Department Of Electrical And Electronic Engineering, 2015 - 2017
Researcher, The University of Tennessee, Knoxville, Electrical and Computer Eng. Dept, 2013 - 2015
Research Assistant, Istanbul Technical University, Bilişim Enstitüsü, 2001 - 2012

Advising Theses

Özdemir A., Ceylan O., Advanced evolutionary computation for distributionsystem automation, Postgraduate, B.AHMADI(Student), 2021
Ceylan O., Smart methods in electrical distribution systems: Minimization of voltage deviations, Postgraduate, İ.ALPEREN(Student), 2021
Ceylan O., Blockchain applications on smart grid: A review, Postgraduate, A.SİNAN(Student), 2019
Ceylan O., Short-term solar irradiance forecasting with deep neural networks, Postgraduate, C.VATANSEVER(Student), 2019
Ceylan O., Elektrik dağıtım sistemlerinde gerilim optimizasyonu, Postgraduate, S.TURAL(Student), 2017
Ceylan O., Karatekin C., Elektrik dağıtım sistemlerinde gerilim profilinin, güç kayıpları ve maliyet minimizasyonunun dağıtık üretim kaynakları ve kademe değiştiriciler ile iyileştirilmesi, Postgraduate, F.DAYLAK(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Sequentially Coordinated and Cooperative Volt/Var Control of PV Inverters in Distribution Networks**
Aboshady F., CEYLAN O., Zobaa A. F., Özdemir A., Taylor G., Pisica I.
Electronics (Switzerland), vol.12, no.8, 2023 (SCI-Expanded)
- II. **Reinforcement of the distribution grids to improve the hosting capacity of distributed generation: Multi-objective framework**
Ahmadi B., CEYLAN O., Özdemir A.
Electric Power Systems Research, vol.217, 2023 (SCI-Expanded)
- III. **Recycling Newton-Krylov algorithm for efficient solution of large scale power systems**
Yetkin E. F., CEYLAN O.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.144, 2023 (SCI-Expanded)
- IV. **Reactive Power Control of PV Inverters in Active Distribution Grids with High PV Penetration**
Aboshady F., Pisica I., Zobaa A. F., Taylor G. A., CEYLAN O., Özdemir A.
IEEE Access, vol.11, pp.81477-81496, 2023 (SCI-Expanded)
- V. **Heuristic Optimization Approaches for Capacitor Sizing and Placement: A Case Study in Kazakhstan**
Baimakhanov O., Senyuz H., Saukhimov A., CEYLAN O.
ENERGIES, vol.15, no.9, 2022 (SCI-Expanded)
- VI. **A multi-objective framework for distributed energy resources planning and storage management**
Ahmadi B., CEYLAN O., Özdemir A., Fotuhi-Firuzabad M.
APPLIED ENERGY, vol.314, 2022 (SCI-Expanded)
- VII. **An advanced Grey Wolf Optimization Algorithm and its application to planning problem in smart grids**
Ahmadi B., Younesi S., Ceylan O., Özdemir A.
SOFT COMPUTING, vol.26, no.8, pp.3789-3808, 2022 (SCI-Expanded)
- VIII. **Distributed energy resource allocation using multi-objective grasshopper optimization algorithm**
Ahmadi B., Ceylan O., Özdemir A.

ELECTRIC POWER SYSTEMS RESEARCH, vol.201, 2021 (SCI-Expanded)

- IX. **Cascaded H-bridge multilevel inverters optimization using adaptive grey wolf optimizer with local search**
Ceylan O., Neshat M., Mirjalili S.
ELECTRICAL ENGINEERING, 2021 (SCI-Expanded)
- X. **A multi-objective optimization evaluation framework for integration of distributed energy resources**
Ahmadi B., Ceylan O., Özdemir A.
JOURNAL OF ENERGY STORAGE, vol.41, 2021 (SCI-Expanded)
- XI. **Nodal Sensitivity-Based Smart Inverter Control for Voltage Regulation in Distribution Feeder**
Ceylan O., Paudyal S., Pisica I.
IEEE JOURNAL OF PHOTOVOLTAICS, vol.11, no.4, pp.1105-1113, 2021 (SCI-Expanded)
- XII. **A Comparative Study of Metaheuristic Algorithms for Wave Energy Converter Power Take-Off Optimisation: A Case Study for Eastern Australia**
Amini E., Golbaz D., Asadi R., Nasiri M., Ceylan O., Nezhad M. M., Neshat M.
JOURNAL OF MARINE SCIENCE AND ENGINEERING, vol.9, no.5, 2021 (SCI-Expanded)
- XIII. **Multi-verse optimization algorithm- and salp swarm optimization algorithm-based optimization of multilevel inverters**
Ceylan O.
NEURAL COMPUTING & APPLICATIONS, vol.33, no.6, pp.1935-1950, 2021 (SCI-Expanded)
- XIV. **Harmony Search Algorithm Based Management of Distributed Energy Resources and Storage Systems in Microgrids**
Ceylan O., Sezgin M. E., Goel M., Verga M., Lazzari R., Kwaye M. P., Sandroni C.
APPLIED SCIENCES-BASEL, vol.10, no.9, 2020 (SCI-Expanded)
- XV. **An Adaptive Affinity Matrix Optimization for Locality Preserving Projection via Heuristic Methods for Hyperspectral Image Analysis**
Taskin G., Ceylan O.
IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING, vol.12, no.12, pp.4690-4697, 2019 (SCI-Expanded)
- XVI. **Coordinated Electric Vehicle Charging With Reactive Power Support to Distribution Grids**
Wang J., Bharati G. R., Paudyal S., Ceylan O., Bhattarai B. P., Myers K. S.
IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, vol.15, no.1, pp.54-63, 2019 (SCI-Expanded)
- XVII. **Coordinated distribution network control of tap changer transformers, capacitors and PV inverters**
Ceylan O., Liu G., Tomsovic K.
ELECTRICAL ENGINEERING, vol.100, no.2, pp.1133-1146, 2018 (SCI-Expanded)
- XVIII. **Harmonic Distortion Minimization in Power Grids with Wind and Electric Vehicles**
Misra R., Paudyal S., Ceylan O., Mandal P.
ENERGIES, vol.10, no.7, 2017 (SCI-Expanded)
- XIX. **Heuristic methods for postoutage voltage magnitude calculations**
Ceylan O., Özdemir A., Dag H.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.1, pp.105-120, 2016 (SCI-Expanded)
- XX. **Double branch outage modeling and simulation: Bounded network approach**
Ceylan O., Özdemir A., Dag H.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.73, pp.369-376, 2015 (SCI-Expanded)
- XXI. **Branch Outage Simulation Based Contingency Screening by Gravitational Search Algorithm**
Ceylan O., Özdemir A., Dag H.
INTERNATIONAL REVIEW OF ELECTRICAL ENGINEERING-IREE, vol.7, no.1, pp.3370-3379, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Heuristic Methods-Based Power Distribution System Optimization Toolbox**
Özlü İ. A., Baimakhanov O., Saukhimov A., Ceylan O.
Algorithms, vol.15, no.1, 2022 (ESCI)
- II. **Armoni Araması Yöntemi ile Elektrik Dağıtım Sistemlerinin Yeniden Yapılandırılması: Elektrikli Araçların Etkisi**
CEYLAN O.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.8, 2019 (Peer-Reviewed Journal)
- III. **Hourly Day Ahead Solar Irradiance Forecasting Model in LabVIEW Using Cloud Cover Data**
CEYLAN O., Starke M., Irminger P., Ollis B., King D., Tomsovic K.
ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.16, no.2, pp.2047-2054, 2016 (ESCI)
- IV. **Post-outage state estimations for outage management**
Ceylan O., Özdemir A., Dag H.
IFAC Proceedings Volumes (IFAC-PapersOnline), vol.44, no.1 PART 1, pp.11690-11694, 2011 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **SLP Optimization-Based Voltage Profile Improvement in Unbalanced Distribution Networks With SOP Devices**
Bamatraf M., CEYLAN O., Pisica I., Özdemir A.
58th International Universities Power Engineering Conference, UPEC 2023, Dublin, Ireland, 30 August - 01 September 2023
- II. **SLP Optimization-Based Voltage Profile Improvement in Unbalanced Distribution Networks**
Bamatraf M., CEYLAN O., Pisica I., Özdemir A.
2023 International Conference on Smart Energy Systems and Technologies, SEST 2023, Muğla, Turkey, 4 - 06 September 2023
- III. **Optimal STATCOM Allocation Using Mixed Integer Distributed Ant Colony Optimization**
Al-Majali B. H., Zobaa A. F., Pisica I., CEYLAN O.
2023 IEEE Conference on Power Electronics and Renewable Energy, CPERE 2023, Luxor, Egypt, 19 - 21 February 2023
- IV. **Voltage Profile Improvement in Unbalanced Distribution Grids by Sequential Quadratic Programming**
Bamatraf M., CEYLAN O., Pisica I., Özdemir A.
16th IEEE AFRICON, AFRICON 2023, Nairobi, Kenya, 20 - 22 September 2023
- V. **Optimization Based Approach to Solve Phase Balancing Problem in the Distribution System**
Cengizer D., Erkanat B. C., CEYLAN O.
2023 IEEE Belgrade PowerTech, PowerTech 2023, Belgrade, Serbia, 25 - 29 June 2023
- VI. **Grid Search Based Hyperparameter Optimization for Machine Learning Based Non-Intrusive Load Monitoring**
Sayilar B. C., CEYLAN O.
58th International Universities Power Engineering Conference, UPEC 2023, Dublin, Ireland, 30 August - 01 September 2023
- VII. **A Q-Learning Based Approach for Voltage Control in Unbalanced Distribution System**
ÇAKIR M., Atak A., Özeren H., CEYLAN O.
10th International Conference on Modern Power Systems, MPS 2023, Cluj-Napoca, Romania, 21 - 23 June 2023
- VIII. **Sequential Volt/Var Controller for PV Smart Inverters in Distribution Systems**
Aboshady F., Pisica I., CEYLAN O., Taylor G. A., Zobaa A. F., Özdemir A.
57th International Universities Power Engineering Conference: Big Data and Smart Grids, UPEC 2022, İstanbul, Turkey, 30 August - 02 September 2022

- IX. **Whale Optimization Algorithm Based Optimal Operation of Power Distribution Systems**
Baimakhanov O., Saukhimov A., CEYLAN O.
57th International Universities Power Engineering Conference: Big Data and Smart Grids, UPEC 2022, İstanbul, Turkey, 30 August - 02 September 2022
- X. **Voltage Control of Unbalanced Distribution Systems with Penetration of Renewable Sources: A Gradient-Based Optimization Approach**
Ebadi R., Senyuz H., Aboshady F., CEYLAN O., Pisica I., Özdemir A.
57th International Universities Power Engineering Conference: Big Data and Smart Grids, UPEC 2022, İstanbul, Turkey, 30 August - 02 September 2022
- XI. **Enhancing photovoltaic hosting capacity in distribution networks by optimal allocation and operation of static var compensators**
Ahmadi B., CEYLAN O., Özdemir A.
57th International Universities Power Engineering Conference: Big Data and Smart Grids, UPEC 2022, İstanbul, Turkey, 30 August - 02 September 2022
- XII. **An Optimization Framework for Distributed Energy Resource Planning and Energy Management Strategy of Storage Devices and Electric Vehicles**
Ahmadi B., CEYLAN O., Özdemir A.
2nd International Conference on Energy Transition in the Mediterranean Area, SyNERGY MED 2022, Thessaloniki, Greece, 17 - 19 October 2021
- XIII. **Allocation of Distributed Generators Using Parallel Grey Wolf optimization**
Younesi S., Ahmadi B., CEYLAN O., ÖZDEMİR A.
2021 9th International Conference on Modern Power Systems (MPS), Cluj, Romania, 16 June 2021
- XIV. **Cuckoo search algorithm for optimal siting and sizing of multiple distributed generators in distribution grids**
Ahmedi B., CEYLAN O., ÖZDEMİR A.
International Symposium on Modern Electric Power Systems (MEPS) 2019, Wrocław, Poland, 09 September 2019
- XV. **Power Output Prediction of Wave Farms Using Fully Connected Networks**
Burramukku B., Ceylan O., Neshat M.
56th International Universities Power Engineering Conference (UPEC) - Powering Net Zero Emissions, ELECTR NETWORK, 31 August - 03 September 2021
- XVI. **The Arithmetic Optimization Algorithm for Optimal Energy Resource Planning**
Ahmadi B., Younesi S., Ceylan O., Özdemir A.
56th International Universities Power Engineering Conference (UPEC) - Powering Net Zero Emissions, ELECTR NETWORK, 31 August - 03 September 2021
- XVII. **Multi-objective Distributed Energy Resource Integration in Radial Distribution Networks**
Ahmadi B., Younesi S., Ceylan O., Özdemir A.
56th International Universities Power Engineering Conference (UPEC) - Powering Net Zero Emissions, ELECTR NETWORK, 31 August - 03 September 2021
- XVIII. **Analysis of Local and Centralized Control of PV Inverters for Voltage Support in Distribution Feeders**
Ceylan O., Paudyal S., Pisicay I.
2021 IEEE Power and Energy Society General Meeting, PESGM 2021, Washington, United States Of America, 26 - 29 July 2021, vol.2021-July
- XIX. **Optimization of Multilevel Inverters Using Novelty-driven Multi-verse Optimization Algorithm**
Ceylan O., Neshat M., Mirjalili S.
56th International Universities Power Engineering Conference (UPEC) - Powering Net Zero Emissions, ELECTR NETWORK, 31 August - 03 September 2021
- XX. **A Comparative Study of Surrogate Based Learning Methods in Solving Power Flow Problem**
CEYLAN O., TAŞKIN KAYA G., Paudyal S.
2020 IEEE Power and Energy Society General Meeting (PESGM), Montreal, Canada, 02 August 2020
- XXI. **Voltage Profile Improving And Peak Shaving Using Multi-type Distributed Generators And Battery**

Energy Storage Systems In Distribution Networks

Ahmedi B., CEYLAN O., ÖZDEMİR A.

2020 55th International Universities Power Engineering Conference (UPEC), Torino, Italy, 01 September 2020

- XXII. **Impacts of Load and Generation Volatilities on the Voltage Profiles Improved by Distributed Energy Resources**
Ahmedi B., CEYLAN O., ÖZDEMİR A.
2020 55th International Universities Power Engineering Conference (UPEC), Torino, Italy, 01 September 2020
- XXIII. **Optimal allocation of multi-type distributed generators for minimization of power losses in distribution systems**
Ahmedi B., CEYLAN O., ÖZDEMİR A.
2019 20th International Conference on Intelligent System Application to Power Systems (ISAP), Yeni Delhi, India, 10 December 2019
- XXIV. **Optimal capacitor sizing and placement using dragonfly algorithm: A case study in Kazakhstan**
Baimakhan O., Şenyüz H., Sauchimov A., Ceylan O.
12th Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion, MEDPOWER 2020, Virtual, Online, 9 - 12 November 2020, vol.2020, pp.208-212
- XXV. **Multi-Agent model of electricity networks a perspective on distribution network charges**
Pisica I., CEYLAN O.
54th International Universities Power Engineering Conference 3rd-6th September 2019, Bucharest, Romania, Bükreş, Romania, 03 September 2019
- XXVI. **Grey wolf optimizer for allocation and sizing of distributed renewable generation**
Ahmedi B., CEYLAN O., ÖZDEMİR A.
54th International Universities Power Engineering Conference 3rd-6th September 2019, Bucharest, Romania, Bükreş, Romania, 03 September 2019
- XXVII. **Active and Reactive Power Load Profiling Using Dimensionality Reduction Techniques and Clustering**
YETKİN E. F., CEYLAN O., Papadopoulos T., G. Kazaki A., A. Barzegkar-Ntovom G.
54th International Universities Power Engineering Conference 3rd-6th September 2019, Bucharest, Romania, Bükreş, Romania, 03 September 2019
- XXVIII. **Optimization of Graph Affinity Matrix with Heuristic Methods in Dimensionality Reduction of Hypespectral Images**
CEYLAN O., TAŞKIN KAYA G.
2019 27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, Turkey, 24 - 26 April 2019
- XXIX. **Graph Optimized Locality Preserving Projection Via Heuristic Optimization Algorithms**
CEYLAN O., TAŞKIN KAYA G.
IEEE Geoscience and Remote Sensing Symposium, Yokohoma, Japan, 28 July - 02 August 2019
- XXX. **A Novel Approach for Voltage Control in Electrical Power Distribution Systems**
CEYLAN O., Dimitrovski A., Starke M., Tomsovic K.
2018 IEEE POWER & ENERGY SOCIETY GENERAL MEETING (PESGM), Portland, United States Of America, 05 August 2018
- XXXI. **Semi-Centralized Control of Distributed Generation in Smart Grids**
CEYLAN O., Pisica I., Paudyal S.
2018 53RD INTERNATIONAL UNIVERSITIES POWER ENGINEERING CONFERENCE (UPEC), Glasgow, United Kingdom, 4 - 07 September 2018
- XXXII. **Two-layer earth structure parameter estimation and seasonal analysis**
Papadopoulos T., CEYLAN O., Papagiannis G. K.
2018 53RD INTERNATIONAL UNIVERSITIES POWER ENGINEERING CONFERENCE (UPEC), İSKOÇYA, 4 September - 07 December 2018
- XXXIII. **Generic dynamic load modelling using cluster analysis**
A. Barzegkar-Ntovom G., CEYLAN O., Papadopoulos T., YETKİN E. F.
2018 53RD INTERNATIONAL UNIVERSITIES POWER ENGINEERING CONFERENCE (UPEC), Glasgow, United

Kingdom, 04 September 2018

- XXXIV. **Assessment of harmonic distortion on distribution feeders with electric vehicles and residential PVs**
CEYLAN O., Paudyal S., Dahal S., Karki N. R.
2017 7th International Conference on Power Systems (ICPS), India, 21 December 2017
- XXXV. **Optimal coordinated EV charging with reactive power support in constrained distribution grids**
Paudyal S., CEYLAN O., Bhattarai B. P., Myers K. S.
2017 IEEE Power & Energy Society General Meeting, Chicago, United States Of America, 16 July 2017
- XXXVI. **Photovoltaic hosting capacity of feeders with reactive power control and tap changers**
CEYLAN O., Paudyal S., Bhattarai B. P., Myers K. S.
7th IEEE International Conference on Innovative Smart Grid Technologies (IEEE PES ISGT Europe 2017), Torino, Italy, 26 September 2017
- XXXVII. **Comparative Study of Active Power Curtailment Methods of PVs for Preventing Overvoltage on Distribution Feeders**
Paudyal S., Bhattarai B. P., Tonkoski R., Dahal S., CEYLAN O.
IEEE-Power-and-Energy-Society General Meeting (PESGM), Oregon, United States Of America, 5 - 10 August 2018
- XXXVIII. **Optimization techniques for parameter estimation of dynamic load models**
A. Barzegkar-Ntovom G., CEYLAN O., Papadopoulos T.
2017 52nd International Universities Power Engineering Conference (UPEC), Kandi, Benin, 28 August 2017
- XXXIX. **A daily multiobjective optimization model in smart grids**
CEYLAN O., DAYLAK F., KARATEKİN C.
2016 51st International Universities Power Engineering Conference (UPEC), Coimbra, Portugal, 06 September 2016
- XL. **Optimal DG allocation and sizing in radial distribution networks by Cuckoo search algorithm**
Majidi M., ÖZDEMİR A., CEYLAN O.
2017 19th International Conference on Intelligent System Application to Power Systems (ISAP), San Antonio, TX, USA, United States Of America, 17 - 20 September 2017
- XLI. **Optimal capacitor placement and sizing considering load profile variations using moth-flame optimization algorithm**
CEYLAN O., Paudyal S.
2017 International Conference on Modern Power Systems (MPS), Cluj, Romania, 06 June 2017
- XLII. **Optimal Voltage Control in Distribution Feeders with Large Penetration of Wind**
Tural S., CEYLAN O., Paudyal S.
52nd International Universities Power Engineering Conference (UPEC), Heraklion, Greece, 28 - 31 August 2017
- XLIII. **Soft-error Resiliency of Power Flow Calculations**
Yetkin E. F., CEYLAN O.
52nd International Universities Power Engineering Conference (UPEC), Heraklion, Greece, 28 - 31 August 2017
- XLIV. **Harmonic elimination of multilevel inverters by moth-flame optimization algorithm**
CEYLAN O.
2016 International Symposium on Industrial Electronics (INDEL), Banja Luka, Bosnia And Herzegovina, 03 November 2016
- XLV. **SVM Parameter Selection Based on Harmony Search with an Application to Hyperspectral Image Classification**
CEYLAN O., Gulsen T.
2016 24TH SIGNAL PROCESSING AND COMMUNICATION APPLICATION CONFERENCE (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.657-660
- XLVI. **A comparison of differential evolution and Harmony Search methods for SVM model selection in hyperspectral image classification**
CEYLAN O., TAŞKIN KAYA G.
2016 IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM (IGARSS), Beijing, China, 10 - 15 July 2016, pp.485-488
- XLVII. **A robust load shedding strategy for microgrid islanding transition**

Liu G., Xiao B., Starke M., CEYLAN O., Tomsovic K.

2016 IEEE/PES TRANSMISSION AND DISTRIBUTION CONFERENCE AND EXPOSITION (TD), Dallas, United States Of America, 3 - 05 May 2016

XLVIII. Optimal reactive power allocation for photovoltaic inverters to limit transformer tap changes

CEYLAN O., Dimitrovski A., Starke M., Tomsovic K.

2016 IEEE Power and Energy Society General Meeting (PESGM), Boston, United States Of America, 17 July 2016

XLIX. Advanced Energy Storage Management in Distribution Network

Liu G., CEYLAN O., Xiao B., Starke M., Ollis B., King D., Irminger P., Tomsovic K.

2016 49th Hawaii International Conference on System Sciences (HICSS), United States Of America, 05 January 2016

L. A Regression Based Hourly Day Ahead Solar Irradiance Forecasting Model by Labview using Cloud Cover Data

CEYLAN O., Starke M., Irminger P., Ollis B., Tomsovic K.

2015 9TH INTERNATIONAL CONFERENCE ON ELECTRICAL AND ELECTRONICS ENGINEERING (ELECO), Bursa, Turkey, 26 - 28 November 2015, pp.406-410

LI. Optimal Voltage Regulation for Unbalanced Distribution Networks Considering Distributed Energy Resources

Liu G., CEYLAN O., Xu Y., Tomsovic K.

2015 IEEE POWER ENERGY SOCIETY GENERAL MEETING, Denver, 26 - 30 July 2015

LII. Parallel Harmony Search Based Distributed Energy Resource Optimization

CEYLAN O., Liu G., Tomsovic K.

2015 18TH INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEM APPLICATION TO POWER SYSTEMS (ISAP), Porto, Portugal, 11 - 17 September 2015

LIIL. A new linearization method of unbalanced electrical distribution networks

Liu G., Xu Y., CEYLAN O., Tomsovic K.

2014 NORTH AMERICAN POWER SYMPOSIUM (NAPS), Pullman, United States Of America, 7 - 09 September 2014

LIV. Distribution system voltage regulation by distributed energy resources

CEYLAN O., Liu G., Xu Y., Tomsovic K.

2014 NORTH AMERICAN POWER SYMPOSIUM (NAPS), Pullman, United States Of America, 7 - 09 September 2014

LV. Post outage bus voltage calculations for double branch outages

Ceylan O., Özdemir A., Dag H.

2012 47th International Universities Power Engineering Conference, UPEC 2012, London, United Kingdom, 4 - 07 September 2012

LVI. Double branch outage modeling and its solution using differential evolution method

Ceylan O., Özdemir A., Dag H.

2011 16th International Conference on Intelligent System Applications to Power Systems, ISAP 2011, Hersonisos, Crete, Greece, 25 - 28 September 2011

LVII. Harmony search method based parallel contingency analysis

CEYLAN O., Dag H., ÖZDEMİR A.

2010 International Conference on Power System Technology, 24 October 2010

LVIII. Gravitational search algorithm for post-outage bus voltage magnitude calculations

CEYLAN O., ÖZDEMİR A., Dag H.

45th International Universities Power Engineering Conference UPEC2010, Galler, United Kingdom, 31 August 2010

LIX. PARALLEL CONTINGENCY ANALYSIS USING DIFFERENTIAL EVOLUTION BASED SOLUTION FOR BRANCH OUTAGE PROBLEM

CEYLAN O., Dag H., Ozdemir A.

2009 FIFTH INTERNATIONAL CONFERENCE ON SOFT COMPUTING, COMPUTING WITH WORDS AND PERCEPTIONS IN SYSTEM ANALYSIS, DECISION AND CONTROL, Famagusta, 2 - 04 September 2009

LX. Towards Faster Branch Outage Simulations Using Simulated Annealing and Parallel Programming

CEYLAN O., Ozdemir A., Dag H.

UPEC: 2009 44TH INTERNATIONAL UNIVERSITIES POWER ENGINEERING CONFERENCE, Glasgow, United

Kingdom, 1 - 04 September 2009, pp.990

LXI. Comparison of Post Outage Bus Voltage Magnitudes Estimated by Harmony Search and Differential Evolution Methods

CEYLAN O., ÖZDEMİR A., Dag H.

2009 15th International Conference on Intelligent System Applications to Power Systems, Curitiba, Brazil, 08 November 2009

LXII. Branch outage solution using particle swarm optimization

CEYLAN O., ÖZDEMİR A., Dag H.

2008 Australasian Universities Power Engineering Conference, Sydney, Australia, 14 December 2008

Supported Projects

Ceylan O., Dağ H., Tantığ A. C., TÜBİTAK Project, Kritik Altyapılarda Olağandışılık Tespiti için Federe Makine Öğrenme Mimarisi Modeli, 2021 - 2024

Ceylan O., Özdemir A., Dağ H., TÜBİTAK International Bilateral Joint Cooperation Program Project, Türk Dağıtım Sistemlerinde Enerji Verimliliğinin İyileştirilmesi Ve Yenilenebilir Enerji Kaynaklarının Artması İçin Dijitalleşme, 2021 - 2023

Özdemir A., Ceylan O., TÜBİTAK Project, Akıllı Şebekeler Ve Akıllı Toplum İçin Gelişmiş Evrimsel Hesaplamalar, 2018 - 2021

Activities in Scientific Journals

Energies, Special Issue Editor, 2021 - Continues

Metrics

Publication: 87

Citation (WoS): 238

Citation (Scopus): 528

H-Index (WoS): 8

H-Index (Scopus): 12