

Prof. MÜSLÜM CENGİZ TAPLAMACIOĞLU

Personal Information

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Biography

M. Cengiz Taplamacioglu graduated from Department of Electrical and Electronics Engineering, Gazi University, Ankara, Turkey. He received the M.Sc. degrees in Industrial Engineering from Gazi University and also in Electrical and Electronics Engineering from Middle East Technical University, Ankara, Turkey. He received his Ph.D. degree in Electrical, Electronics and System Engineering from University of Wales, Cardiff, UK. He is a Professor of the Electrical and Electronics Engineering since 2000. His research interests and subjects are high voltage engineering, corona discharge and modelling, electrical field computation, measurement and modelling techniques, optical HV measurement techniques, power systems control and protection, lighting techniques, renewable energy systems and smart grid applications.

Education Information

Doctorate, University of Wales, Cardiff, United Kingdom 1988 - 1993

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), Turkey 1984 - 1986

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), Turkey 1984 - 1986

Undergraduate, Gazi University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1979 - 1983

Dissertations

Doctorate, ELECTRIC POTENTIAL AND FIELD MODIFICATION BY CORONA IN HIGH VOLTAGE SYSTEMS, University of Wales, Cardiff, 1993

Postgraduate, DESIGN AND CONSTRUCTION OF A PURE HUGH VOLTAGE CAPACITANCE DIVIDER, Middle East Technical University, Analiz ve Fonksiyonlar Teorisi, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), 1986

Postgraduate, SINIF GEÇME STATÜSÜ UYGULANAN FAKÜLTELERDE ÖĞRENCİ HAREKETLİLİĞİN MARKOV MODELİ, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), 1986

Research Areas

Electrical and Electronics Engineering

Academic Titles / Tasks

Professor, Gazi University, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 2000 - Continues

Associate Professor, Gazi University, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 1994 - 1999
Assistant Professor, Gazi University, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 1994 - 1994
Lecturer PhD, Gazi University, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 1993 - 1994
Research Assistant, Gazi University, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 1984 - 1993

Academic and Administrative Experience

University Of Turkish Aeronautical Association, Mühendislik Fakültesi, 2012 - 2013
University Of Turkish Aeronautical Association, Rektörlük, 2012 - 2013
Gazi University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2001 - 2012
Gazi University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1995 - 2012
Gazi University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1995 - 1996

Advising Theses

Taplamacioğlu M. C., Salor Durna Ö., Classification of power system transient events by deep learning and modeling the electric arc furnace system using discrete fourier transform distributions, Doctorate, G.GÖK(Student), 2023
Taplamacioğlu M. C., Analysis of electrical interference between electric transmission and underground pipelines using CDGES, Postgraduate, Ö.ÇETİN(Student), 2023
Taplamacioğlu C., TAPLAMACIOĞLU M. C., ANALYSIS OF THE CONTRIBUTION OF ENERGY STORAGE SYSTEMS TO ISLAND GRIDS, Postgraduate, S.AÇIKYILDIZ(Student), 2022
Taplamacioğlu C., TAPLAMACIOĞLU M. C., POWER SYSTEM ANALYSIS OF ENERGY STORAGE SYSTEMS INTEGRATION WITH WIND TURBINES, Postgraduate, M.Can(Student), 2022
Taplamacioğlu M. C., Eke İ., OPTIMIZATION OF LOAD FREQUENCY CONTROL WITH NEW HEURISTIC METHODS IN POWER SYSTEMS INCLUDING RENEWABLE ENERGY SOURCES, Doctorate, M.SAKA(Student), 2022
Taplamacioğlu M. C., Gözde H., A* AND PROBABILISTIC ROADMAP BASED HYBRID PATH PLANNING ALGORITHM DESIGN AND ANALYSIS FOR AUTONOMOUS MOBILE ROBOTS, Postgraduate, B.UZUN(Student), 2022
TAPLAMACIOĞLU M., Simulated Analysis Of High Impedance Fault In Distribution Lines, Postgraduate, A.KOÇAK(Student), 2021
Taplamacioğlu M. C., Comparative optimization of photovoltaic system performance under partial shading with vortex search algorithm, Doctorate, A.OSMAN(Student), 2020
TAPLAMACIOĞLU M. C., Ship Electrical System And Hydrogen Fuel Cell Feeding Emergency Generator Partial Loads Models, Postgraduate, Z.KONAR(Student), 2019
TAPLAMACIOĞLU M. C., 25 Mva Transformers Used In Railway Systems, Postgraduate, M.MUN(Student), 2019
TAPLAMACIOĞLU M. C., Active Power Control And Fault Analysis Of Modular Multilevel Converter Based HvdC System Optimized By Sine-Cosine Algorithm, Postgraduate, H.YAKUPOĞLU(Student), 2019
TAPLAMACIOĞLU M. C., Remote reading of meters with M bus protocol, Postgraduate, T.GÜVEN(Student), 2019
TAPLAMACIOĞLU M. C., KARAKAYA M., Investigation Of The Effect Of Renewable And Nuclear Power Plants On Frequency Control On A Multi-Area Model, Postgraduate, M.FURKAN(Student), 2019
TAPLAMACIOĞLU M. C., Bir paraşüt simülâtörünün tasarımı ve geliştirilmesi, Postgraduate, C.DURAN(Student), 2019
TAPLAMACIOĞLU M. C., Optimal Pd Controller Design Based On Partical Swarm Optimisation Algorithm For 154 Kv / 34,5 Kv Oltc Transformer, Postgraduate, M.AKIL(Student), 2019
TAPLAMACIOĞLU M. C., Raylı Sistem Uygulamaları İçin Bir Ultra-Kapasitör Tabanlı Geri Kazanımlı Frenleme Sistemi, Postgraduate, A.TALHA(Student), 2019
TAPLAMACIOĞLU M. C., Design and comparison Perturb & Observe, fuzzy logic and anfis based MPPT controller for PV system, Postgraduate, G.NAZLI(Student), 2019
TAPLAMACIOĞLU M. C., Optimization and simulation of pv chp system, Postgraduate, N.BURGU(Student), 2019
TAPLAMACIOĞLU M. C., Grounding And Protection In Electronic Communication And Information Technology Systems, Postgraduate, A.UNCU(Student), 2019

TAPLAMACIOĞLU M. C., Optimization Of Reactive Power Dispatch Problem In Power Systems Using New Heuristic Algorithms, Doctorate, E.YALÇIN(Student), 2019

TAPLAMACIOĞLU M. C., The Effect Of Automatic Meter Reading System To The Energy Efficiency, Postgraduate, Ö.BAYKARA(Student), 2018

TAPLAMACIOĞLU M. C., Stability Analysis In Power Systems, Postgraduate, M.DEMİRCİ(Student), 2018

TAPLAMACIOĞLU M. C., Analysis Of The Effect Of Renewable Energy Integration On Steady-State Voltage Stability With Dynamic Optimal Power Flow And Case Study On The Turkey'S Electricity Network, Postgraduate, B.BAYDAR(Student), 2018

TAPLAMACIOĞLU M. C., The solution of the optimal power flow problem using vortex search algorithm, Postgraduate, Ö.AYDIN(Student), 2017

TAPLAMACIOĞLU M. C., Design Of Power Transformer Under Load Tap Changer, Postgraduate, A.FARID(Student), 2017

TAPLAMACIOĞLU M. C., Integrated Real-Time Sensor For Mobile Systems/Robots Navigation, Doctorate, H.KOCA(Student), 2017

TAPLAMACIOĞLU M. C., Economic Load And Emission Dispatch Analysis At Power Systems, Postgraduate, M.SAKA(Student), 2017

TAPLAMACIOĞLU M. C., Wind basin planning and analyse of effects of wind power plants on the grid with digilent program, Postgraduate, G.SAMANCIOĞLU(Student), 2014

TAPLAMACIOĞLU M. C., Design and implementation of a new wave energy system to produce electric energy, Postgraduate, A.OSMAN(Student), 2014

TAPLAMACIOĞLU M. C., Heating systems used in circulation pumps control in terms of energy efficiency in analytical investigation, Postgraduate, D.CAN(Student), 2014

TAPLAMACIOĞLU M. C., The pharma control system, Postgraduate, Z.BALA(Student), 2013

TAPLAMACIOĞLU M. C., Modeling and forecasting of Turkey's long term electricity consumption with least square support vector machines, Doctorate, F.KAYTEZ(Student), 2012

TAPLAMACIOĞLU M. C., Design of robust power system stabilizer based on artificial bee colony algorithm, Doctorate, İ.EKE(Student), 2011

TAPLAMACIOĞLU M. C., Modeling of distributed generation plants in low voltage and medium voltage distribution networks with matlab/simulink program, Postgraduate, M.HAZAR(Student), 2011

TAPLAMACIOĞLU M. C., Monokristal, polikristal ve amorf-silisyum güneş panellerinin verimliliğinin incelenmesi ve aydınlatma sistemi uygulaması, Postgraduate, A.ERKUL(Student), 2010

TAPLAMACIOĞLU M. C., Nesne tabanlı robot sistem uygulamaları geliştirme, Postgraduate, H.AYTEKİN(Student), 2010

TAPLAMACIOĞLU M. C., Radyasyon onkolojisinde yapay sinir ağı uygulaması, Postgraduate, M.EMİN(Student), 2010

TAPLAMACIOĞLU M. C., Tek kanallı toplamsal gürültülü konuşma sinyali iyileştirme, Postgraduate, S.CECELİOĞLU(Student), 2010

TAPLAMACIOĞLU M. C., Güç sistemlerinde yapay arı kolonisi algoritması yöntemi ile yük frekans kontrolü optimizasyonu, Doctorate, H.GÖZDE(Student), 2010

TAPLAMACIOĞLU M. C., Gerilim beslemeli ve akım beslemeli üç fazlı şönt aktif güç filtresinin karşılaştırması ve simülasyonu, Postgraduate, H.ANWAR(Student), 2009

TAPLAMACIOĞLU M. C., ROBOT MANIPULATOR CONTROL, Postgraduate, H.KOCA(Student), 2007

TAPLAMACIOĞLU M. C., Enerji sistemlerinde 400 kVA'ya kadar kuru tip trafolar, verimi etkileyen faktörler ve tipik örnek, Postgraduate, B.ÖZYALÇIN(Student), 2007

TAPLAMACIOĞLU M. C., Enerji hattı haberleşmeciliği ve modellemesi, Postgraduate, G.ASLAN(Student), 2007

TAPLAMACIOĞLU M. C., ELECTROSTATIC FILTERS AND INDUSTRIAL APPLICATIONS, Postgraduate, Ö.ALACA(Student), 2007

TAPLAMACIOĞLU M. C., Elektronik sayaçlarda kullanılmak üzere uzaktan gprs modül ile elektronik elektrik sayacı okuma uygulaması, Postgraduate, H.ŞAHİN(Student), 2007

TAPLAMACIOĞLU M. C., SOLUTION TECHNIQUES IN LIGHTING ENGINEERING WITH ADVANCED METHODS, Postgraduate, S.ERDEM(Student), 2007

TAPLAMACIOĞLU M. C., Elektrik enerjisinde yük tahmini yöntemleri ve Türkiye'nin 2005-2020 yılları arasındaki elektrik enerjisi talep gelişimi ve arz planlaması, Postgraduate, U.CAN(Student), 2006

TAPLAMACIOĞLU M. C., Yüksek gerilim iletim hatlarında hat geometrisine bağlı olarak elektrik ve manyetik alan analizi,

Postgraduate, M.MUSTAFA(Student), 2006
TAPLAMACIOĞLU M. C., 400 kV reaktörlü iletim hatlarında tek-faz tekrar kapamanın incelenmesi, Postgraduate, M.ÖZDEMİR(Student), 2006
TAPLAMACIOĞLU M. C., Scada ve otomasyon sistemlerinin dağıtım şebekelerinde uygulanması, Postgraduate, F.ERDEM(Student), 2005
TAPLAMACIOĞLU M. C., Wind energy policies of Turkey and integration of the wind power plants to interconnected system, Postgraduate, S.İLKER(Student), 2005
TAPLAMACIOĞLU M. C., Yük tahmin yöntemleri ve Ankara merkez metropol alan için regresyon analizi yöntemi kullanılarak uygulanması, Postgraduate, F.ŞENER(Student), 2005
TAPLAMACIOĞLU M. C., Dağıtım sisteminin özelleştirilmesi ve yapay sinir ağları ile yük tahmini, Postgraduate, H.AYBİKE(Student), 2005
TAPLAMACIOĞLU M. C., Yıldırım analizi ve yıldırım düşme risk hesabı, Postgraduate, Y.SALİH(Student), 2005
TAPLAMACIOĞLU M. C., Enerji iletim hatları üzerinden haberleşme ve veri iletimi, Postgraduate, E.ÖZDEMİR(Student), 2003
TAPLAMACIOĞLU M. C., Yüksek gerilim aparatlarında elektro - optik metodla akım ve gerilim ölçüleri, Postgraduate, H.YILMAZ(Student), 2002
TAPLAMACIOĞLU M. C., Geniş elektrot açıklıklarında korona akım ve elektrik alan analizi, Postgraduate, Ö.SAYILIR(Student), 2001
TAPLAMACIOĞLU M. C., Asenkron motor hız kontrolü ve uygulamalarında programlanabilir mantıksal kontrol cihazı, Postgraduate, Ö.FARUK(Student), 1999
TAPLAMACIOĞLU M. C., Koaksiyel, paraksiyel ve çubuk düzlem geometrilerde korona başlangıç voltaj ve elektrik alan analizi, Postgraduate, M.ZİLE(Student), 1999
TAPLAMACIOĞLU M. C., Sonlu farklar metodu ile elektrik alan çözümleri, Postgraduate, S.AYDIN(Student), 1998

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A New Electric Arc Furnace Model Based on Current Waveform Synthesis from Distributions of DFT Amplitudes and Power System Frequency**
Gok G., Salor O., TAPLAMACIOĞLU M. C.
IEEE Transactions on Industry Applications, vol.60, no.4, pp.5872-5881, 2024 (SCI-Expanded)
- II. **Improvement of power transformer fault diagnosis by using sequential Kalman filter sensor fusion**
DEMİRCİ M., Gozde H., TAPLAMACIOĞLU M. C.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.149, 2023 (SCI-Expanded)
- III. **Transient event classification using pmu data with deep learning techniques and synthetically supported training-set**
Gök G., Salor Ö., TAPLAMACIOĞLU M. C.
IET Generation, Transmission and Distribution, vol.17, no.6, pp.1287-1297, 2023 (SCI-Expanded)
- IV. **Neural network based heuristic fractional order adaptive PID-controller for eliminating communication time delay in multi-area LFC**
SAKA M., Gozde H., EKE İ., TAPLAMACIOĞLU M. C.
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, vol.35, no.6, 2022 (SCI-Expanded)
- V. **Inserting of heuristic techniques into the stability regions for multiarea load frequency control systems with time delays**
SAKA M., SÖNMEZ Ş., EKE İ., Gozde H., TAPLAMACIOĞLU M. C., AYASUN S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.30, no.6, pp.2286-2305, 2022 (SCI-Expanded)
- VI. **Heuristic optimization based dynamic weighted state feedback approach for 2DOF PI-controller in automatic voltage regulator**
EKE İ., SAKA M., Gozde H., Arya Y., TAPLAMACIOĞLU M. C.

ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.24, no.4, pp.899-910, 2021 (SCI-Expanded)

- VII. **A novel hybrid global optimization algorithm having training strategy: hybrid Taguchi-vortex search algorithm**
SAKA M., Coban M., EKE İ., TEZCAN S. S., TAPLAMACIOĞLU M. C.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.29, no.4, pp.1908-1930, 2021 (SCI-Expanded)
- VIII. **A new chaos and global competitive ranking-based symbiotic organisms search algorithm for solving reactive power dispatch problem with discrete and continuous control variable**
Yalcin E., ÇAM E., TAPLAMACIOĞLU M. C.
ELECTRICAL ENGINEERING, vol.102, no.2, pp.573-590, 2020 (SCI-Expanded)
- IX. **Power system harmonic and interharmonic estimation using Vortex Search Algorithm**
ALTINTAŞI Ç., AYDIN Ö., TAPLAMACIOĞLU M. C., SALOR DURNA Ö.
ELECTRIC POWER SYSTEMS RESEARCH, vol.182, 2020 (SCI-Expanded)
- X. **Resilient Optimal Power Flow with Evolutionary Computation Methods: Short Survey**
Baydar B., Gozde H., TAPLAMACIOĞLU M. C., Kucuk A. O.
POWER SYSTEMS RESILIENCE: MODELING, ANALYSIS AND PRACTICE, pp.163-189, 2019 (SCI-Expanded)
- XI. **Forecasting electricity consumption: A comparison of regression analysis, neural networks and least squares support vector machines**
Kaytez F., TAPLAMACIOĞLU M. C., ÇAM E., HARDALAÇ F.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.67, pp.431-438, 2015 (SCI-Expanded)
- XII. **Comparative performance analysis of Artificial Bee Colony algorithm in automatic generation control for interconnected reheat thermal power system**
Gozde H., TAPLAMACIOĞLU M. C., Kocaarslan I.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.42, no.1, pp.167-178, 2012 (SCI-Expanded)
- XIII. **Comparative performance analysis of artificial bee colony algorithm for automatic voltage regulator (AVR) system**
Gozde H., TAPLAMACIOĞLU M. C.
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, vol.348, no.8, pp.1927-1946, 2011 (SCI-Expanded)
- XIV. **DESIGN OF ROBUST POWER SYSTEM STABILIZER BASED ON ARTIFICIAL BEE COLONY ALGORITHM**
Eke I., TAPLAMACIOĞLU M. C., Kocaarslan I.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.3, pp.683-690, 2011 (SCI-Expanded)
- XV. **Automatic generation control application with craziness based particle swarm optimization in a thermal power system**
Gozde H., TAPLAMACIOĞLU M. C.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.33, no.1, pp.8-16, 2011 (SCI-Expanded)
- XVI. **PARTICLE SWARM OPTIMIZATION BASED PI-CONTROLLER DESIGN TO LOAD-FREQUENCY CONTROL OF A TWO AREA REHEAT THERMAL POWER SYSTEM**
Gozde H., TAPLAMACIOĞLU M. C., Kocaarslan I., Senol M. A.
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.30, no.1, pp.13-21, 2010 (SCI-Expanded)
- XVII. **CARTESIAN-SPECIFIC CONTROL OF A ROBOT MANIPULATOR**
Koca H., Dogan M., TAPLAMACIOĞLU M. C.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.23, no.4, pp.769-776, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **WEATHER PREDICTION USING REGRESSION ALGORITHM AND NEURAL NETWORK TECHNIQUE**
Taneja H., TAPLAMACIOĞLU M. C., Jain V., Jain A., Dubey A. K., Demirci M.
International Journal on Technical and Physical Problems of Engineering, vol.16, no.59, pp.303-312, 2024 (Scopus)
- II. **Fault Analysis with Data Pre-Processing Methods in Power Transformers**
Demirci M., Saka M., Gözde H., Taplamacioğlu M. C.
Turkish Journal of Electrical Power and Energy Systems, vol.3, no.3, pp.133-139, 2023 (Peer-Reviewed Journal)
- III. **HUMAN DISEASE DETECTION USING ARTIFICIAL INTELLIGENCE**
Jain V., Jha B., Joshi S., Miglani S., Singal A., Babbar S., DEMİRCİ M., TAPLAMACIOĞLU M. C.
International Journal on Technical and Physical Problems of Engineering, vol.15, no.2, pp.125-133, 2023 (Scopus)
- IV. **DYNAMIC VISUALIZATION OF AN IMAGE FOR INTERACTIVE ACTIONS**
Jain V., JAIN Y., DHINGRA H., Jain A., DEMİRCİ M., TAPLAMACIOĞLU M. C.
International Journal on Technical and Physical Problems of Engineering, vol.53, no.14, pp.363-369, 2022 (Scopus)
- V. **SIAMESE NEURAL NETWORKS FOR PANDEMIC DETECTION USING CHEST RADIOGRAPHS**
Jain V., Jain A., Gark V., Jain A., DEMİRCİ M., TAPLAMACIOĞLU M. C.
International Journal on "Technical and Physical Problems of Engineering" (IJTPE), vol.51, no.14, pp.104-110, 2022 (Scopus)
- VI. **HYBRID OPERATION OF A* AND PRM ALGORITHMS FOR EFFICIENT PATH PLANNING IN AUTONOMOUS MOBILE ROBOTS**
Uzun B., Gozde H., TAPLAMACIOĞLU M. C.
International Journal on Technical and Physical Problems of Engineering, vol.14, no.1, pp.183-189, 2022 (Scopus)
- VII. **36KV-630A SINGLE SHAFT 3-PHASE MAGNETIC ARC INTERRUPTER LBS DESIGN FOR SMART GRID APPLICATIONS**
ALTINOK E. C., GOKSU E., UZEL S., UNVER T., DEMİRCİ M., GÖZDE H., TAPLAMACIOĞLU M. C.
International Journal on "Technical and Physical Problems of Engineering" (IJTPE), vol.13, no.49, pp.72-77, 2021 (Scopus)
- VIII. **FAULT DIAGNOSIS OF POWER TRANSFORMERS WITH MACHINE LEARNING METHODS USING TRADITIONAL METHODS DATA**
Demirci M., Gözde H., Taplamacioğlu M. C.
International Journal on Technical and Physical Problems of Engineering, vol.13, no.49, pp.225-230, 2021 (Scopus)
- IX. **DYNAMIC VISUALIZATION OF A STATIC IMAGE WITH AN ACTIONABLE QR CODE**
JAIN V., JAIN Y., AGARWAL M., DHINGRA H., SAINI D., TAPLAMACIOĞLU M. C., SAKA M.
International Journal on "Technical and Physical Problems of Engineering" (IJTPE), vol.13, no.47, pp.138-143, 2021 (Scopus)
- X. **GENERAL OVERVIEW OF AREA NETWORKS AND COMMUNICATION TECHNOLOGIES IN SMART GRID APPLICATIONS**
KOÇAK A., TAPLAMACIOĞLU M. C., GÖZDE H.
International Journal on "Technical and Physical Problems of Engineering" (IJTPE), vol.13, no.46, pp.103-110, 2021 (Scopus)
- XI. **Optimum power modeling for a combined heat and power**
Vargahan S. Z., TAPLAMACIOĞLU M. C.
International Journal on Technical and Physical Problems of Engineering, vol.13, no.1, pp.120-125, 2021 (Scopus)
- XII. **A systematic literature review on qr code detection and pre-processing**
Jain V., Jain Y., Dhingra H., Saini D., Taplamacioğlu M. C., Saka M.
International Journal on Technical and Physical Problems of Engineering, vol.13, no.1, pp.111-119, 2021 (Scopus)
- XIII. **FO-PID CONTROLLER DESIGN WITH SCA FOR COMMUNICATION TIME DELAYED LFC**
SAKA M., EKE İ., GÖZDE H., TAPLAMACIOĞLU M. C.
International Journal on Technical and Physical Problems of Engineering, vol.45, no.14, pp.63-68, 2020 (Scopus)
- XIV. **Performance Analysis for Load Frequency Control of Interconnected Power Systems with Different Techniques**

ÇAKICI F. N., EKE İ., SAKA M., TAPLAMACIOĞLU M. C.

Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, 2020 (Peer-Reviewed Journal)

- XV. **Analysis of Communication Time Delayed Automatic Generation Control via SMA with 2 DOF PIADμ Controller for Interconnected Power System**
SAKA M., EKE İ., TAPLAMACIOĞLU M. C.
European Journal of Science and Technology, pp.172-180, 2020 (Peer-Reviewed Journal)
- XVI. **Investigation of the relationship between solar and wind power development in electrical grids and cost changes in the related technologies**
Kaytez F., TAPLAMACIOĞLU M. C., Ari M.
International Journal on Technical and Physical Problems of Engineering, vol.12, no.1, pp.99-104, 2020 (Scopus)
- XVII. **BEHAVIOUR OF LASER BEAM IN NONLINEAR MEDIA**
SAYRAÇ M., SAYRAÇ H., ARI M., TAPLAMACIOĞLU M. C.
International Journal on "Technical and Physical Problems of Engineering" (IJTPE), vol.11, pp.77-80, 2019 (Scopus)
- XVIII. **Design and Comparison of Perturb Observe and Fuzzy Logic Controller in Maximum Power Point Tracking System for PV System by Using MATLAB/Simulink**
Arpacı G. N., GÖZDE H., TAPLAMACIOĞLU M. C.
International Journal of Multidisciplinary Studies and Innovative Technologies, vol.3, no.1, pp.66-71, 2019 (Peer-Reviewed Journal)
- XIX. **Efficiency Optimization Of Combined Heat And Power System Integrated With Renewable Energy For A Hospital**
Burgu N., GÖZDE H., TAPLAMACIOĞLU M. C.
International Journal of Multidisciplinary Studies and Innovative Technologies, vol.3, no.1, pp.76-81, 2019 (Peer-Reviewed Journal)
- XX. **Investigation of Partial Shading Effects on Photovoltaic Systems According to Different Connection Types**
KÜÇÜK A. O., GÖZDE H., TAPLAMACIOĞLU M. C., DURSUN M.
International Journal on Technical and Physical Problems of Engineering, vol.38, no.11, pp.31-34, 2019 (Scopus)
- XXI. **GENERAL OVERVIEW OF WIRELESS COMMUNICATION TECHNOLOGY**
SAYRAÇ M., ARI M., TAPLAMACIOĞLU M. C.
International Journal on "Technical and Physical Problems of Engineering" (IJTPE), vol.11, pp.25-30, 2019 (Scopus)
- XXII. **The Adaptive Chaotic Symbiotic Organisms Search Algorithm Proposal for Optimal Reactive Power Dispatch Problem in Power Systems**
Yalcin E., TAPLAMACIOĞLU M. C., Cam E.
ELECTRICA, vol.19, no.1, pp.37-47, 2019 (ESCI)
- XXIII. **Probability of Error Estimation For An Optical Link Using Phase Distribution of Gaussian Vortex Beam**
EYYUBOĞLU H. T., ARI M., TAPLAMACIOĞLU M. C., GÖZDE H.
International Journal on Technical and Physical Problems of Power Engineering, vol.37, no.10, pp.31-35, 2018 (Scopus)
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