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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Northeastern University, Electrical And Computer Engineering, Amerika Birleşik Devletleri 2010 - 2014

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), Türkiye 2007 - 2009

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 2003 - 2007

Yaptığı Tezler

Doktora, Incorporation of pmus in power system state estimation, Northeastern University, Electrical And Computer Engineering, 2014

Yüksek Lisans, A new field-data based EAF (electric arc furnace) model applied to power quality studies, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), 2009

Araştırma Alanları

Elektrik-Elektronik Mühendisliği, Enerji, Güç Sistemlerinin Analizi , Enerji İletimi ve Dağıtımı , Yenilenebilir Enerji, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik ve Elektronik Mühendisliği Bölümü, 2019 - Devam Ediyor

Dr. Öğr. Üyesi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik ve Elektronik Mühendisliği Bölümü, 2018 - 2019

Yrd. Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik ve Elektronik Mühendisliği Bölümü, 2014 - 2018

Akademik İdari Deneyim

Bölüm Başkan Yardımcısı, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik ve Elektronik Mühendisliği Bölümü, 2019 - 2022

Yönetilen Tezler

- Göl M., ASSESTMENT OF COOPERATION OF PHOTOVOLTAICS AND ELECTRIFIED MICRO MOBILITY IN THE CONCEPT OF NET ZERO ENERGY CITIES, Yüksek Lisans, N.AYDINALP(Öğrenci), 2024
- Göl M., A distributed control strategy for network of microgrids, Doktora, M.ERDEM(Öğrenci), 2024
- GÖL M., Multi-objective charging scheduling utilizing electric vehicle load models, Yüksek Lisans, İ.GÜZEL(Öğrenci), 2022
- GÖL M., A parameter error identification method for power plant dynamic models, Yüksek Lisans, E.AÇILAN(Öğrenci), 2022
- GÖL M., MODIFIED FORWARD BACKWARD SWEEP POWER FLOW SOLUTION FOR NAVAL PLATFORMS WITH MULTIPLE GENERATORS, Yüksek Lisans, A.TALAT(Öğrenci), 2022
- GÖL M., An improved energy requirement prediction for queueing applications of electric vehicles based on parameter estimation, Yüksek Lisans, B.SAĞLAM(Öğrenci), 2022
- GÖL M., Performance improvement for situational awareness and restoration of distribution systems, Yüksek Lisans, U.CAN(Öğrenci), 2021
- GÖL M., Sparse matrix library for power system state estimation based on full knuth's method, Yüksek Lisans, T.YILDIZ(Öğrenci), 2021
- GÖL M., Design of a centralized microgrid controller in compliance with IEEE 2030.7 standard, Yüksek Lisans, S.POURALTAFI(Öğrenci), 2021
- Göl M., A novel methodology for medium and long-term electricity market modeling, Doktora, E.İLSEVEN(Öğrenci), 2020
- Göl M., Substation level state estimation and topology error processing, Yüksek Lisans, E.SARUHAN(Öğrenci), 2020
- Göl M., Utilization of realistic pumped hydroelectric storage system model for various optimal short term control strategies, Yüksek Lisans, O.ÜSTÜNDAĞ(Öğrenci), 2019
- Göl M., Predicting actual load demand in distribution systems with high pv penetration, Yüksek Lisans, U.YILDIZ(Öğrenci), 2019
- GÖL M., Very short term load forecasting aided hybrid state estimator with optimally placed pseudo-measurements, Yüksek Lisans, B.ÖZSOY(Öğrenci), 2018
- GÖL M., A generalized mathematical model of DC catenary lines, Yüksek Lisans, M.ERDEM(Öğrenci), 2018
- GÖL M., Incorporation of DSSC in real time congestion management, Yüksek Lisans, R.GÜNAY(Öğrenci), 2018
- GÖL M., Optimal maintenance scheduling for transmission lines, Yüksek Lisans, E.BERK(Öğrenci), 2018
- GÖL M., Evaluation of photovoltaic systems for voltage quality, Yüksek Lisans, D.ŞENGÜL(Öğrenci), 2018
- GÖL M., Two new indices for the assessment of regional transmission connection capacities, Yüksek Lisans, A.HAYDAR(Öğrenci), 2017
- GÖL M., Optimal phasor measurement unit (PMU) placement for the power systems with existing SCADA measurements, Yüksek Lisans, B.ERTÜRK(Öğrenci), 2017
- GÖL M., State estimation based fault location using pmu measurements, Yüksek Lisans, A.ÖNER(Öğrenci), 2016
- GÖL M., Gürbüz LAV yöntemine dayanan yerel parametre kestirimci, Yüksek Lisans, V.Özdemir(Öğrenci), 2015
- GÖL M., A local parameter estimator based on robust lav estimation, Yüksek Lisans, V.ÖZDEMİR(Öğrenci), 2015

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- WLAV state estimation based topology error detection and identification in distribution networks with limited number of measurements**
PARLAKTUNA K., Dursun E., GÖL M.
Electric Power Systems Research, cilt.232, 2024 (SCI-Expanded)

- II. **A Novel Parameter Error Identification Method for Power Plant Dynamic Models**
Acilan E., GÖL M.
IEEE Transactions on Power Systems, cilt.39, sa.1, ss.957-966, 2024 (SCI-Expanded)
- III. **PMU-Based Dynamic Model Calibration of Type 4 Wind Turbine Generators**
Erden F., Acilan E., Ustundag O., Bozkurt E., GÖL M.
Electronics (Switzerland), cilt.12, sa.9, 2023 (SCI-Expanded)
- IV. **MDP based real time restoration for earthquake damaged active distribution systems**
Arpali O. Y., Yilmaz U. C., GÜLDÜR ERKAL B., AYDIN GÖL E., GÖL M.
Electric Power Systems Research, cilt.218, 2023 (SCI-Expanded)
- V. **Plug-in electric vehicle load modeling for charging scheduling strategies in microgrids**
GÜZEL İ., GÖL M.
SUSTAINABLE ENERGY GRIDS & NETWORKS, cilt.32, 2022 (SCI-Expanded)
- VI. **A Computationally Efficient Topology Identifiability Analysis of Distribution Systems**
Eser F., Yılmaz U. C., Dursun E., Cinalioglu M. C., Göl M.
Electric Power Systems Research, cilt.208, 2022 (SCI-Expanded)
- VII. **Identifiability Analysis for Power Plant Parameter Calibration in the Presence of Collinear Parameters**
AÇILAN E., GÖL M.
IEEE Transactions on Power Systems, cilt.37, sa.4, ss.2988-2997, 2022 (SCI-Expanded)
- VIII. **A partitioning strategy for improved state estimation performance in ill-conditioned power systems with hybrid measurement set**
Yildiz T., AÇILAN E., GÖL M.
ELECTRIC POWER SYSTEMS RESEARCH, cilt.201, 2021 (SCI-Expanded)
- IX. **Centralized Microgrid Control System in Compliance with IEEE 2030.7 Standard Based on an Advanced Field Unit**
Pouralafi-kheljan S., Ugur M., Bozulu E., Caliskan B. C., KEYSAN O., GÖL M.
ENERGIES, cilt.14, sa.21, 2021 (SCI-Expanded)
- X. **Incorporation of generator maintenance scheduling with long-term power sector forecasting and planning studies**
Ilseven E., Göl M.
IET GENERATION TRANSMISSION & DISTRIBUTION, cilt.14, ss.2581-2591, 2020 (SCI-Expanded)
- XI. **Harmony Search Algorithm Based Management of Distributed Energy Resources and Storage Systems in Microgrids**
Ceylan O., SEZGİN M. E., GÖL M., Verga M., Lazzari R., Kwaye M. P., Sandroni C.
APPLIED SCIENCES-BASEL, cilt.10, sa.9, 2020 (SCI-Expanded)
- XII. **A Model Predictive Control for Microgrids Considering Battery Aging**
Yilmaz U. C., SEZGİN M. E., GÖL M.
JOURNAL OF MODERN POWER SYSTEMS AND CLEAN ENERGY, cilt.8, sa.2, ss.296-304, 2020 (SCI-Expanded)
- XIII. **Assessment of regional transmission connection capacity based on two novel indices**
GUVERCİNCİ A. H., GÖL M.
IET GENERATION TRANSMISSION & DISTRIBUTION, cilt.12, sa.14, ss.3470-3476, 2018 (SCI-Expanded)
- XIV. **Hydro-Optimization-Based Medium-Term Price Forecasting Considering Demand and Supply Uncertainty**
İLSEVEN E., GÖL M.
IEEE TRANSACTIONS ON POWER SYSTEMS, cilt.33, sa.4, ss.4074-4083, 2018 (SCI-Expanded)
- XV. **A Decentralization Method for Hybrid State Estimators**
GÖL M.
IEEE TRANSACTIONS ON POWER SYSTEMS, cilt.33, sa.2, ss.2070-2077, 2018 (SCI-Expanded)
- XVI. **Determination of harmonic current contributions based on robust state estimation**
Sezgin E., GÖL M., Salor O.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.26, sa.1, ss.307-318, 2018 (SCI-

- Expanded)
- XVII. **Robust local parameter estimator based on least absolute value estimator**
ÖZDEMİR V., GÖL M.
Turkish Journal Of Electrical Engineering And Computer Sciences, cilt.25, ss.3143-3151, 2017 (SCI-Expanded)
- XVIII. **State-Estimation-Based Determination of Harmonic Current Contributions of Iron and Steel Plants Supplied from PCC**
Sezgin E., GÖL M., Salor O.
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, cilt.52, sa.3, ss.2654-2663, 2016 (SCI-Expanded)
- XIX. **A Fast Decoupled State Estimator for Systems Measured by PMUs**
Goel M., Abur A.
IEEE TRANSACTIONS ON POWER SYSTEMS, cilt.30, sa.5, ss.2766-2771, 2015 (SCI-Expanded)
- XX. **A Hybrid State Estimator For Systems With Limited Number of PMUs**
Goel M., Abur A.
IEEE TRANSACTIONS ON POWER SYSTEMS, cilt.30, sa.3, ss.1511-1517, 2015 (SCI-Expanded)
- XXI. **A Robust PMU Based Three-Phase State Estimator Using Modal Decoupling**
Goel M., Abur A.
IEEE TRANSACTIONS ON POWER SYSTEMS, cilt.29, sa.5, ss.2292-2299, 2014 (SCI-Expanded)
- XXII. **LAV Based Robust State Estimation for Systems Measured by PMUs**
Goel M., Abur A.
IEEE TRANSACTIONS ON SMART GRID, cilt.5, sa.4, ss.1808-1814, 2014 (SCI-Expanded)
- XXIII. **Observability and Criticality Analyses for Power Systems Measured by Phasor Measurements**
Goel M., Abur A.
IEEE TRANSACTIONS ON POWER SYSTEMS, cilt.28, sa.3, ss.3319-3326, 2013 (SCI-Expanded)
- XXIV. **Metrics for Success Performance Metrics for Power System State Estimators and Measurement Designs**
Goel M., Abur A., Galvan F.
IEEE POWER & ENERGY MAGAZINE, cilt.10, sa.5, ss.50-57, 2012 (SCI-Expanded)
- XXV. **A New Field-Data-Based EAF Model for Power Quality Studies**
Gol M., Salor O., ALBOYACI B., Mutluer B., ÇADIRCI I., ERMİŞ M.
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, cilt.46, sa.3, ss.1230-1242, 2010 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Enerji Depolama Sistemlerinin Farklı Kullanım Zamanlarının Elektrik Sistemine Olan Etkisi**
SEZGİN M. E., GÜDELEK M. U., ARIN E., ÇIRAK C. R., GÖL M.
Fırat Üniversitesi Mühendislik Bilimleri Dergisi, cilt.30, ss.7-14, 2018 (Hakemli Dergi)

Kitap & Kitap Bölümleri

- I. **METU Smart Campus Project (iEAST)**
ERTEKİN BOLELLİ Ş., KEYSAN O., GÖL M., Bayazit H., Yıldız T., Marr A., Ganji M., Teimourzadeh S., Tör O. B., Özkavaf S.
New Technologies, Development and Application II, Isak Karabegović, Editör, Springer, ss.287-297, 2019

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Solar Energy Production Estimation in Distribution Networks with Limited Number of Measurements Sınırlı Sayıda Ölçüm İle Dağıtım Şebekelerinde Güneş Enerjisi Üretim Kestirimi**

Küçükaslan Ö. A., GÖL M.

32nd IEEE Conference on Signal Processing and Communications Applications, SIU 2024, Mersin, Türkiye, 15 - 18 Mayıs 2024

- II. **Monitoring Voltage Distortions Caused by Supraharmonics in Active Distribution Networks**
Küçükaslan Ö. A., Erkan A. N. Ö., Kaya K., Özen C., Büyükbaş B., Özcan N., Cinalioğlu P., Göl M., Bayatmakoo A.
14th International Conference on Electrical and Electronics Engineering, ELECO 2023, Virtual, Bursa, Türkiye, 30 Kasım - 02 Aralık 2023
- III. **Topological Error Localization in Power Distribution Networks Based on WLAV State Estimation**
Parlaktuna K., Dursun E., Özcan M., Göl M.
2023 IEEE PES Innovative Smart Grid Technologies Europe, ISGT EUROPE 2023, Grenoble, Fransa, 23 - 26 Ekim 2023
- IV. **Assesment of Supraharmonic Injections in Turkish Distribution Systems**
Küçükaslan Ö. A., Erkan A. N. Ö., Kaya K., Özen C., Büyükbaş B., Özcan N., Avcı T., Cinalioğlu P., Göl M., Bayatmakoo A.
2023 IEEE PES Innovative Smart Grid Technologies Europe, ISGT EUROPE 2023, Grenoble, Fransa, 23 - 26 Ekim 2023
- V. **Lightweight Photovoltaic Forecasting Method for Agricultural Microgrids**
Brown P. D., Göl M.
14th International Conference on Electrical and Electronics Engineering, ELECO 2023, Virtual, Bursa, Türkiye, 30 Kasım - 02 Aralık 2023
- VI. **PMU based Dynamic Model Calibration of Type-4 Wind Turbine Generators**
AÇILAN E., Erden F., Ustundag O., Bozkurt E., GÖL M.
57th International Universities Power Engineering Conference: Big Data and Smart Grids, UPEC 2022, İstanbul, Türkiye, 30 Ağustos - 02 Eylül 2022
- VII. **Operational Optimization of an Agricultural Microgrid**
Brown P. D., GÖL M.
57th International Universities Power Engineering Conference: Big Data and Smart Grids, UPEC 2022, İstanbul, Türkiye, 30 Ağustos - 02 Eylül 2022
- VIII. **Improved Situational Awareness for Power Distribution Systems Based on WLAV Estimator and Direct Load Flow Solution**
PARLAKTUNA K., Dursun E., Cinalioğlu M. C., GÖL M.
57th International Universities Power Engineering Conference: Big Data and Smart Grids, UPEC 2022, İstanbul, Türkiye, 30 Ağustos - 02 Eylül 2022
- IX. **Stochastic Model Predictive Control for Microgrids Based on Monte Carlo Simulations**
Sezgin M. E., Pouralafi-Kheljan S., Beyarslan M., GÖL M.
57th International Universities Power Engineering Conference: Big Data and Smart Grids, UPEC 2022, İstanbul, Türkiye, 30 Ağustos - 02 Eylül 2022
- X. **Parameter Estimation of Electric Vehicles for Improved Range Prediction**
Saglam B., BOSTANCI E., GÖL M.
11th IEEE PES Innovative Smart Grid Technologies Europe, ISGT Europe 2021, Espoo, Finlandiya, 18 - 21 Ekim 2021
- XI. **Optimal Placement of Different Types of Measurements for Active Distribution Systems**
Pouralafi-Kheljan S., GÖL M.
11th IEEE PES Innovative Smart Grid Technologies Europe, ISGT Europe 2021, Espoo, Finlandiya, 18 - 21 Ekim 2021
- XII. **Plug-in Electric Vehicle Load Modeling for Smart Charging Strategies in Microgrids**
GÜZEL İ., GÖL M.
4th International Conference on Smart Energy Systems and Technologies (SEST), ELECTR NETWORK, 6 - 08 Eylül 2021
- XIII. **MDP based Decision Support for Earthquake Damaged Distribution System Restoration**
ARPALI O. Y., YILMAZ U. C., AYDIN GÖL E., GÜLDÜR ERKAL B., GÖL M.

IEEE-PES General Meeting, 2 - 06 Ağustos 2020

- XIV. **Three-phase state estimation based on symmetrical components**
GÖL M.
10th IEEE PES Innovative Smart Grid Technologies Europe, ISGT-Europe 2020, Delft, Hollanda, 26 - 28 Ekim 2020, cilt.2020-October, ss.186-190
- XV. **Power generation nowcasting of the behind-the-meter photovoltaic systems**
Pouraltafikheljan s., GÖL M.
10th IEEE PES Innovative Smart Grid Technologies Europe, ISGT-Europe 2020, Delft, Hollanda, 26 - 28 Ekim 2020, cilt.2020-October, ss.384-388
- XVI. **Solar power generation prediction for distribution systems with high PV penetration**
YILDIZ U., GÖL M.
10th IEEE PES Innovative Smart Grid Technologies Europe, ISGT-Europe 2020, Delft, Hollanda, 26 - 28 Ekim 2020, cilt.2020-October, ss.389-393
- XVII. **Solar power generation analysis and forecasting real-world data using LSTM and autoregressive CNN**
tosun n., sert e., AYAZ E., YILMAZ e., GÖL M.
3rd International Conference on Smart Energy Systems and Technologies, SEST 2020, Virtual, Istanbul, Türkiye, 7 - 09 Eylül 2020
- XVIII. **Detection of Unauthorized Photo-Voltaic System Connection for Low Voltage Grids**
Pouraltafi-Kheljan S., GÖL M.
28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 Ekim 2020
- XIX. **METU Smart Campus Project (iEAST)**
ERTEKİN BOLELLİ Ş., KEYSAN O., GÖL M., beyazıt h., YILDIZ T., Marr A., Ganji M., Teimourzadeh S., Tör O. B., Özkavaf S.
International Conference on New Technologies, Development and Application, Sarajevo, Bosna-Hersek, 27 - 29 Haziran 2019, cilt.76, ss.287-297
- XX. **MDP based Decision Support for Earthquake Damaged Distribution System Restoration**
Arpali O. Y., Yilmaz U. C., Gol E. A., Erkal B. G., GÖL M.
IEEE-Power-and-Energy-Society General Meeting (PESGM), ELECTR NETWORK, 3 - 06 Ağustos 2020
- XXI. **A Malfunction Detection Method For PV Systems**
Yildiz T., GÖL M.
IEEE Milan PowerTech Conference, Milan, İtalya, 23 - 27 Haziran 2019
- XXII. **A Comparative Study on Feature Selection based Improvement of Medium-Term Demand Forecast Accuracy**
Ilseven E., GÖL M.
IEEE Milan PowerTech Conference, Milan, İtalya, 23 - 27 Haziran 2019
- XXIII. **A Novel MDP Based Decision Support Framework to Restore Earthquake Damaged Distribution Systems**
AYDIN GÖL E., GÜLDÜR ERKAL B., GÖL M.
IEEE PES Innovative Smart Grid Technologies Europe (IEEE ISGT-Europe), Bucharest, Romanya, 29 Eylül - 02 Ekim 2019
- XXIV. **Evaluation of Photovoltaic Systems For Reactive Power Compensation In Low Voltage Power Systems**
Uğur M., Duymaz E., Göl M., Keysan O.
ISGT Europe 2018, Sarajevo, Bosna-Hersek, 21 - 25 Ekim 2018
- XXV. **A Hybrid State Estimation Strategy With Optimal Use of Pseudo-Measurement**
ÖZSOY b., GÖL M.
ISGT-Europe 2018, 21 - 25 Ekim 2018
- XXVI. **Load and PV Generation Forecast Based Cost Optimization for Nanogrids with PV and Battery**
Gudelek M. U., Cirak C. R., ARIN E., SEZGİN M. E., Ozbayoglu A. M., Gol M.
53rd International Universities Power Engineering Conference, UPEC 2018, Glasgow, Birleşik Krallık, 4 - 07 Eylül

2018

- XXVII. **A New Index for Voltage Quality Assessment at Distribution Systems**
KARACELEBİ m., ERCİN ö., GÖL M.
UPEC 2018, 4 - 07 Eylül 2018
- XXVIII. **A Strategy to Evaluate Solar Power Generation Capability Based on Historical Data**
ŞENGÜL d., GÖL M.
UPEC 2018, 4 - 07 Eylül 2018
- XXIX. **DC Catenary Line Modeling of Subway Systems**
SEZGİN M. E., GÖL M.
IEEE-Power-and-Energy-Society General Meeting (PESGM), Oregon, Amerika Birleşik Devletleri, 5 - 10 Ağustos 2018
- XXX. **Enerji Depolama Sistemlerinin Farklı Kullanım Zamanlarının Elektrik Sistemine Olan Etkisi**
SEZGİN M. E., GÜDELEK M. U., ARIN E., ÇIRAK C. R., GÖL M.
1. Ulusal Elektrik Enerjisi Dönüşüm Kongresi (EL-EN), Elazığ, Türkiye, 21 - 22 Eylül 2017, ss.53-59
- XXXI. **Medium-Term Electricity Demand Forecasting Based on MARS**
İLSEVEN e., GÖL M.
IEEE International Conference on Innovative Smart Grid Technologies IEEE ISGT Europe 2017, 26 - 29 Eylül 2017
- XXXII. **Voltage variation model for DC catenary line of a subway system**
SEZGİN M. E., GÖL M.
2017 IEEE Manchester PowerTech, Powertech 2017, Manchester, Birleşik Krallık, 18 - 22 Haziran 2017
- XXXIII. **Identification of bad solar power generation data Hatalı Güneş Enerjisi Üretim Ölçümlerinin Tespit Edilmesi**
ŞENGÜL D., DUymAZ E., GÖL M.
25th Signal Processing and Communications Applications Conference, SIU 2017, Antalya, Türkiye, 15 - 18 Mayıs 2017
- XXXIV. **Binary integer programming based PMU placement in the presence of conventional measurements**
Ertürk B., Göl M.
PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe), 2016 IEEE, Ljubljana, Slovenya, 9 - 12 Ekim 2016
- XXXV. **Evaluation of the effects of photovoltaic systems on voltage quality**
Şengül D., Göl M.
48th North American Power Symposium, NAPS 2016, Colorado, Amerika Birleşik Devletleri, 18 - 20 Eylül 2016
- XXXVI. **Fault location based on state estimation in PMU observable systems**
ÖNER A., GÖL M.
2016 IEEE Power and Energy Society Innovative Smart Grid Technologies Conference, ISGT 2016, Minnesota, Amerika Birleşik Devletleri, 6 - 09 Eylül 2016
- XXXVII. **State estimation based determination of harmonic current contributions of iron and steel plants supplied from PCC**
Sezgin E., GÖL M., Salor Ö.
51st Annual Meeting on IEEE Industry Application Society, IAS 2015, Texas, Amerika Birleşik Devletleri, 11 - 22 Ekim 2015
- XXXVIII. **A Robust Parameter Estimation Method Based onLAV Estimator**
ÖZDEMİR V., GÖL M.
modern electric power systems 2015, Wroclaw, Polonya, 6 - 09 Temmuz 2015
- XXXIX. **A Robust Parameter Estimation Method Based on LAV Estimator**
Ozdemir V., GÖL M.
INTERNATIONAL CONFERENCE, 15 MEPS MODERN ELECTRIC POWER SYSTEMS, Wroclaw, Polonya, 6 - 09 Temmuz 2015
- XL. **A modified Chi-Squares test for improved bad data detection**
GÖL M., ABUR A.
IEEE Eindhoven PowerTech, PowerTech 2015, Eindhoven, Hollanda, 29 Haziran - 02 Temmuz 2015

- XLI. Determination of Harmonic Current Contributions of Plants Supplied from PCC Based on State Estimation**
Sezgin E., GÖL M., Salor O.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.2062-2065
- XLII. Effective measurement design for cyber security**
GÖL M., abur a.
Power Systems Computation Conference (PSCC), 2014, 18 - 22 Ağustos 2014
- XLIII. Optimal PMU placement for state estimation robustness**
GÖL M., Abur A.
IEEE PES Innovative Smart Grid Technologies, Europe, Istanbul, Turkey, 12 - 15 Ekim 2014
- XLIV. Identifying vulnerabilities of state estimators against cyber-attacks**
GÖL M., abur a.
PowerTech (POWERTECH), 2013 IEEE Grenoble, 16 - 20 Haziran 2013
- XLV. PMU placement for robust state estimation**
GÖL M., Abur A.
2013 North American Power Symposium (NAPS), Manhattan, KS, USA, 22 - 24 Eylül 2013
- XLVI. Synchro-phasor based three phase state estimation using modal components**
GÖL M., abur a.
Innovative Smart Grid Technologies (ISGT Europe), 2012 3rd IEEE PES International Conference and Exhibition on, 14 - 17 Ekim 2012
- XLVII. Observability analysis of systems containing phasor measurements**
GÖL M., abur a.
Power and Energy Society General Meeting, 2012 IEEE, 22 - 26 Temmuz 2012
- XLVIII. Rapid tracking of bus voltages using synchro phasor assisted state estimator**
GÖL M., Abur A., Floyd G.
IEEE PES ISGT Europe 2013, Lyngby, Denmark, 6 - 09 Ekim 2013
- XLIX. PMU based robust state estimation using scaling**
Göl M., ABUR A.
2012 North American Power Symposium, NAPS 2012, Champaign, IL, Amerika Birleşik Devletleri, 9 - 11 Eylül 2012
- L. Pseudo-Measurement Placement for Reliable State Estimation**
GÖL M., abur a.
International Conference on Probabilistic Methods Applied to Power Systems, 10 - 14 Haziran 2012
- LI. Observability analysis and critical measurement detection for power systems measured by PMUs**
GÖL M., abur a.
Innovative Smart Grid Technologies (ISGT), 2012 IEEE PES, 16 - 20 Ocak 2012

Desteklenen Projeler

- Gürsel Dino I., Turan R., Akgül Ç., Göl M., Kalkan S., Taylan O., UFUK 2020 Projesi, LEGOFIT: Adaptable technological solutions based on early design actions for the construction and renovation of Energy Positive Homes, 2023 - 2027
- Gürsel Dino I., Kalkan S., Akgül Ç., Göl M., UFUK 2020 Projesi, UP2030: Urban Planning and design ready for 2030, 2023 - 2026
- Keysan O., Göl M., TÜBİTAK Uluslararası İkili İşbirliği Projesi, Tarımda Gıda ve Su Güvenliği İçin Toplum Odaklı Yüksek Verimli Mikro Şebeke Uygulaması Geliştirilmesi, 2020 - 2022
- Göl M., Şirket, Durum Kestirimi Algoritması Geliştirme, 2020 - 2021
- Göl M., Keysan O., Teknopark, ELEKTRİK ŞEBEKELERİ YÖNETİM YÖNTEMLERİNİN ARAŞTIRILMASI VE MİKROŞEBEKE KONTROL VE HABERLEŞME CİHAZININ GELİŞTİRİLMESİ, 2019 - 2021
- Göl M., Teknopark, OG ŞEBEKELERİNDE SYNCROPHASOR KULLANARAK ŞEBEKE DAYANIKLILIĞININ ARTIRIMI TEKNİK ANALİZİ ARGE PROJESİ , 2019 - 2021

Keysan O., Göl M., Tüýdeş Yaman H., Dięer Ülkelerdeki Kamu Kurumları Tarafından Desteklenmiş Proje, METU - Smart Campus Feasibility Project, 2017 - 2021
GÖL M., TÜBİTAK Projesi, Depremde Zarar Görmüş Orta Gerilim Elektrik Dağıtım Şebekelerinde Ayağa Kaldırma İçin Karar Destek Yöntemlerinin Geliştirilmesi, 2018 - 2020
GÖL M., YILDIZ U., Yükseköğretim Kurumları Destekli Proje, ALÇAK GERİLİM GÜNEŞ ENERJİSİ SİSTEMLERİNİN VARLIĞINDA YÜK TALEP TAHMİNİ YÖNTEMİ, 2018 - 2019
GÖL M., TÜBİTAK Projesi, Mevcut Güç Akışı Ölçüm Cihazlarını Hesaba Katarak Belirlenmiş Artıklık Endeksine Göre Optimum Fazör Ölçüm Ünitesi Yerleştirme Metodu Geliştirilmesi, 2015 - 2017
GÖL M., ŞENGÜL D., Yükseköğretim Kurumları Destekli Proje, MİLGES Projesi Kapsamında Kurulacak Olan Güneş Enerjisi Santralinin Türkiye Elektrik Sistemine Etkilerinin İncelenmesi, 2016 - 2016

Bilimsel Dergilerdeki Faaliyetler

IEEE Transactions on Smart Grid, Editörler Kurulu Üyesi, 2019 - Devam Ediyor
Turkish Journal Of Electrical Engineering And Computer Sciences, Editörler Kurulu Üyesi, 2018 - Devam Ediyor
JOURNAL OF MODERN POWER SYSTEMS AND CLEAN ENERGY, Editör, 2018 - 2018

Metrikler

Yayın: 79
Atıf (WoS): 551
Atıf (Scopus): 692
H-İndeks (WoS): 10
H-İndeks (Scopus): 12

Akademi Dışı Deneyim

TÜBİTAK