

Prof. MURAT GÖL

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: V-4742-2019

ScopusID: 25930021900

Yoksis Researcher ID: 214776

Education Information

Doctorate, Northeastern University, Electrical And Computer Engineering, United States Of America 2010 - 2014

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), Turkey 2007 - 2009

Undergraduate, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2003 - 2007

Dissertations

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

Postgraduate, A new field-data based EAF (electric arc furnace) model applied to power quality studies, Middle East Technical University, Graduate School of Natural and Applied Sciences, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), 2009

Research Areas

Electrical and Electronics Engineering, Energy, Power System Analysis, Electric Power Transmission, Distribution and Protection, Renewable energy, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Electrical and Electronics Engineering, 2019 - Continues

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Electrical and Electronics Engineering, 2018 - 2019

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Electrical and Electronics Engineering, 2014 - 2018

Academic and Administrative Experience

Deputy Head of Department, Middle East Technical University, Faculty of Engineering, Department of Electrical and Electronics Engineering, 2019 - 2022

Advising Theses

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

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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, vol.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, vol.39, no.1, pp.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), vol.12, no.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, vol.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, vol.32, 2022 (SCI-Expanded)
- VI. **A Computationally Efficient Topology Identifiability Analysis of Distribution Systems**
Eser F., Yilmaz U. C., Dursun E., Cinalioglu M. C., Göl M.
Electric Power Systems Research, vol.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, vol.37, no.4, pp.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, vol.201, 2021 (SCI-Expanded)
- IX. **Centralized Microgrid Control System in Compliance with IEEE 2030.7 Standard Based on an Advanced Field Unit**
Pouratafi-kheljan S., Ugur M., Bozulu E., Caliskan B. C., KEYSAN O., GÖL M.
ENERGIES, vol.14, no.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, vol.14, pp.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, vol.10, no.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, vol.8, no.2, pp.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, vol.12, no.14, pp.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, vol.33, no.4, pp.4074-4083, 2018 (SCI-Expanded)
- XV. **A Decentralization Method for Hybrid State Estimators**
GÖL M.
IEEE TRANSACTIONS ON POWER SYSTEMS, vol.33, no.2, pp.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, vol.26, no.1, pp.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, vol.25, pp.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, vol.52, no.3, pp.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, vol.30, no.5, pp.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, vol.30, no.3, pp.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, vol.29, no.5, pp.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, vol.5, no.4, pp.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, vol.28, no.3, pp.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, vol.10, no.5, pp.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, vol.46, no.3, pp.1230-1242, 2010 (SCI-Expanded)

Articles Published in Other Journals

- 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, vol.30, pp.7-14, 2018 (Peer-Reviewed Journal)

Books & Book Chapters

- 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.
in: New Technologies, Development and Application II, Isak Karabegović, Editor, Springer, pp.287-297, 2019

Refereed Congress / Symposium Publications in Proceedings

- 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, Turkey, 15 - 18 May 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, Turkey, 30 November - 02 December 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, France, 23 - 26 October 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., Avşar T., Cinalioğlu P., Göl M., Bayatmakoo A.
2023 IEEE PES Innovative Smart Grid Technologies Europe, ISGT EUROPE 2023, Grenoble, France, 23 - 26 October 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, Turkey, 30 November - 02 December 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, Turkey, 30 August - 02 September 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, Turkey, 30 August - 02 September 2022
- VIII. **Improved Situational Awareness for Power Distribution Systems Based on WLAV Estimator and Direct Load Flow Solution**
PARLAKTUNA K., Dursun E., Cinalioglu M. C., GÖL M.
57th International Universities Power Engineering Conference: Big Data and Smart Grids, UPEC 2022, İstanbul, Turkey, 30 August - 02 September 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, Turkey, 30 August - 02 September 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, Finland, 18 - 21 October 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, Finland, 18 - 21 October 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 September 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 August 2020

- XIV. **Three-phase state estimation based on symmetrical components**
GÖL M.
10th IEEE PES Innovative Smart Grid Technologies Europe, ISGT-Europe 2020, Delft, Netherlands, 26 - 28 October 2020, vol.2020-October, pp.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, Netherlands, 26 - 28 October 2020, vol.2020-October, pp.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, Netherlands, 26 - 28 October 2020, vol.2020-October, pp.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, Turkey, 7 - 09 September 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 October 2020
- XIX. **METU Smart Campus Project (iEAST)**
ERTEKİN BOLELLİ Ş., KEYSAN O., GÖL M., beyazit h., YILDIZ T., Marr A., Ganji M., Teimourzadeh S., Tör O. B., Özkavaf S.
International Conference on New Technologies, Development and Application, Sarajevo, Bosnia And Herzegovina, 27 - 29 June 2019, vol.76, pp.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 August 2020
- XXI. **A Malfunction Detection Method For PV Systems**
Yildiz T., GÖL M.
IEEE Milan PowerTech Conference, Milan, Italy, 23 - 27 June 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, Italy, 23 - 27 June 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, Romania, 29 September - 02 October 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, Bosnia And Herzegovina, 21 - 25 October 2018
- XXV. **A Hybrid State Estimation Strategy With Optimal Use of Pseudo-Measurement**
ÖZSOY b., GÖL M.
ISGT-Europe 2018, 21 - 25 October 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, United Kingdom, 4 - 07

September 2018

- XXVII. **A New Index for Voltage Quality Assessment at Distribution Systems**
KARACELEBİ m., ERCİN ö., GÖL M.
UPEC 2018, 4 - 07 September 2018
- XXVIII. **A Strategy to Evaluate Solar Power Generation Capability Based on Historical Data**
ŞENGÜL d., GÖL M.
UPEC 2018, 4 - 07 September 2018
- XXIX. **DC Catenary Line Modeling of Subway Systems**
SEZGİN M. E., GÖL M.
IEEE-Power-and-Energy-Society General Meeting (PESGM), Oregon, United States Of America, 5 - 10 August 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, Turkey, 21 - 22 September 2017, pp.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 September 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, United Kingdom, 18 - 22 June 2017
- XXXIII. **Identification of bad solar power generation data Hatali Güneş Enerjisi Üretim Ölçümlerinin Tespit Edilmesi**
ŞENGÜL D., DUYMAZ E., GÖL M.
25th Signal Processing and Communications Applications Conference, SIU 2017, Antalya, Turkey, 15 - 18 May 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, Slovenia, 9 - 12 October 2016
- XXXV. **Evaluation of the effects of photovoltaic systems on voltage quality**
Şengül D., Göl M.
48th North American Power Symposium, NAPS 2016, Colorado, United States Of America, 18 - 20 September 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, United States Of America, 6 - 09 September 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, United States Of America, 11 - 22 October 2015
- XXXVIII. **A Robust Parameter Estimation Method Based onLAV Estimator**
ÖZDEMİR V., GÖL M.
modern electric power systems 2015, Wroclaw, Poland, 6 - 09 July 2015
- XXXIX. **A Robust Parameter Estimation Method Based on LAV Estimator**
Ozdemir V., GÖL M.
INTERNATIONAL CONFERENCE, 15 MEPS MODERN ELECTRIC POWER SYSTEMS, Wroclaw, Poland, 6 - 09 July 2015
- XL. **A modified Chi-Squares test for improved bad data detection**
GÖL M., ABUR A.
IEEE Eindhoven PowerTech, PowerTech 2015, Eindhoven, Netherlands, 29 June - 02 July 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, Turkey, 16 - 19 May 2015, pp.2062-2065

- XLII. **Effective measurement design for cyber security**
GÖL M., abur a.
Power Systems Computation Conference (PSCC), 2014, 18 - 22 August 2014
- XLIII. **Optimal PMU placement for state estimation robustness**
GÖL M., Abur A.
IEEE PES Innovative Smart Grid Technologies, Europe, Istanbul, Turkey, 12 - 15 October 2014
- XLIV. **Identifying vulnerabilities of state estimators against cyber-attacks**
GÖL M., abur a.
PowerTech (POWERTECH), 2013 IEEE Grenoble, 16 - 20 June 2013
- XLV. **PMU placement for robust state estimation**
GÖL M., Abur A.
2013 North American Power Symposium (NAPS), Manhattan, KS, USA, 22 - 24 September 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 October 2012
- XLVII. **Observability analysis of systems containing phasor measurements**
GÖL M., abur a.
Power and Energy Society General Meeting, 2012 IEEE, 22 - 26 July 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 October 2013
- XLIX. **PMU based robust state estimation using scaling**
Göl M., ABUR A.
2012 North American Power Symposium, NAPS 2012, Champaign, IL, United States Of America, 9 - 11 September 2012
- L. **Pseudo-Measurement Placement for Reliable State Estimation**
GÖL M., abur a.
International Conference on Probabilistic Methods Applied to Power Systems, 10 - 14 June 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 January 2012

Supported Projects

Gürsel Dino I., Turan R., Akgül Ç., Göl M., Kalkan S., Taylan O., H2020 Project, LEGOFIT: Adaptable technological solutions based on early design actions for the construction and renovation of Energy Positive Homes, 2023 - 2027

Göl M., Keysan O., Angin Ülküer P., Alp E., TÜBİTAK Project, Autonomous Multi-Layer Resource Management for Critical Infrastructure: Electrical Power/Water/Transportation Nexus, 2023 - 2026

Gürsel Dino İ., Kalkan S., Akgül Ç., Göl M., H2020 Project, UP2030: Urban Planning and design ready for 2030, 2023 - 2026

Keysan O., Göl M., TÜBİTAK International Bilateral Joint Cooperation Program Project, Community-based off-grid ultra-efficient microgrid to revive water-food security in agriculture (COMSA), 2020 - 2022

Göl M., Company, Durum Kestirimi Algoritması Geliştirme, 2020 - 2021

Göl M., Keysan O., Technopark, Research of electricity networks management methods and development of microgrid control and communication device, 2019 - 2021

Göl M., Technopark, OG ŞEBEKELERİNDE SYNCROPHASOR KULLANARAK ŞEBEKE DAYANIKLILIĞININ ARTIRIMI TEKNİK

ANALİZİ ARGE PROJESİ , 2019 - 2021

Keysan O., Göl M., Tüydeş Yaman H., Project Supported by Public Organizations in Other Countries, METU - Smart Campus Feasibility Project, 2017 - 2021

GÖL M., TUBITAK Project, Depremde Zarar Görmüş Orta Gerilim Elektrik Dağıtım Şebekelerinde Ayağa Kaldırma İçin Karar Destek Yöntemlerinin Geliştirilmesi, 2018 - 2020

GÖL M., YILDIZ U., Project Supported by Higher Education Institutions, ALÇAK GERİLİM GÜNEŞ ENERJİSİ SİSTEMLERİNİN VARLIĞINDA YÜK TALEP TAHMİNİ YÖNTEMİ, 2018 - 2019

GÖL M., TUBITAK Project, Mevcut Güç Akışı Ölçüm Cihazlarını Hesaba Katarak Belirlenmiş Artıklık Endeksine Göre Optimum Fazör Ölçüm Ünitesi Yerleştirme Metodu Geliştirilmesi, 2015 - 2017

GÖL M., ŞENGÜL D., Project Supported by Higher Education Institutions, MİLGES Projesi Kapsamında Kurulacak Olan Güneş Enerjisi Santralinin Türkiye Elektrik Sistemine Etkilerinin İncelenmesi, 2016 - 2016

Activities in Scientific Journals

IEEE Transactions on Smart Grid, Committee Member, 2019 - Continues

Turkish Journal Of Electrical Engineering And Computer Sciences, Committee Member, 2018 - Continues

JOURNAL OF MODERN POWER SYSTEMS AND CLEAN ENERGY, Editor, 2018 - 2018

Metrics

Publication: 79

Citation (WoS): 551

Citation (Scopus): 692

H-Index (WoS): 10

H-Index (Scopus): 12

Non Academic Experience

TÜBİTAK