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Educations

1) D.V.M, ---, Electrical Engineering- Energy Systems, University of Tabriz

Teaching Course

- 1) ---
- 2) B.Sc
- 3) M.Sc
- 4) Ph.D

Membership in Scientific Society

1) Institution of Electrical and Electronic Engineers IEEE, Member, International, 1987/03/21, 2023/04/11

Compilation Books

- 1) Power Quality in Future Electrical Power Systems, compilation, IET, 2017/04/24
- 2) Optimization of Power System Problems Methods, Algorithms and MATLAB Codes, compilation, Springer, 2020/01/16
- 3) Optimization of Power System Problems Methods, Algorithms and MATLAB Codes, compilation, Springer, 2020/01/16
- 4) Decision Making Applications in Modern Power Systems, compilation, Elsevier, 2020/01/23

Papers in International Journals

- 1) Davoodi Elnaz, Tarafdar Hagh Mehrdad, Ghassemzadeh Saeid, 2014/08/01, A hybrid Improved Quantum-behaved Particle Swarm Optimization–Simplex method (IQPSOS) to solve power system load flow problems, APPLIED SOFT COMPUTING, 21, 171-179
- 2) Mohahammadpou Shotorbani Amin, Ajami Ali, Ghassemzadeh Saeid, Pourmahmood Aghababa Mohammad, Mahbobi Behzad, 2014/10/01, Robust terminal sliding mode power flow controller using unified power flow controller with adaptive observer and local measurement, IET Generation, Transmission and Distribution, 8, 1712-1723
- 3) Mohammadpour Hassan, Ghassemzadeh Saeid, Tohidi Sajjad, 2015/09/01, Symmetrical and asymmetrical low-voltage ride through of doubly-fed induction generator wind turbines using gate controlled series capacitor, IET Renewable Power Generation, 9, 840-846
- 4) Mohahammadpou Shotorbani Amin, Ghassemzadeh Saeid, Mohammadi-Ivatloo Behnam, Hosseini Seyed Hossein, 2017/02/01, A distributed non-Lipschitz control framework for self-organizing microgrids with uncooperative and renewable generations, International Journal of Electrical Power and Energy Systems, 90, 267-279
- 5) Yousefi Babak, Ghassemzadeh Saeid, Hosseini Seyed Hossein, Mohammadi-Ivatloo Behnam, 2017/02/21, Short-term Scheduling Problem in Smart Grid Considering Reliability Improvement in Bad Weather Conditions, IET Generation Transmission and Distribution, 1261, 40
- 6) Mohahammadpou Shotorbani Amin, Ghassemzadeh Saeid, Mohammadi-Ivatloo Behnam, Hosseini Seyed Hossein, 2017/03/09, A distributed secondary scheme with terminal sliding mode controller for energy storages in an islanded microgrid, International Journal of Electrical Power and Energy Systems, 93, 352-364

- 7) Dolatabadi Soheil, Ghassemzadeh Saeid, 2017/09/01, Modified Invasive Optimization Algorithm to DG Allocation Problem Considering Demand Response Programs, *Majlesi Journal of Electrical Engineering*, 11, 15-24
- 8) AsghariGovar Saeed, Heidari Saeid, Seyedi Heresh, Ghassemzadeh Saeid, Poorgasem Pouya, 2017/10/30, Adaptive CWT-Based Overcurrent Protection for Smart Distribution Grids Considering CT Saturation and High Impedance Fault , *IET Generation Transmission and Distribution*, 10, 1-10
- 9) Maal Andish Mohammad, Hosseini Seyed Hossein, Ghassemzadeh Saeid, Babaei Ebrahim, Shalchi Alishah rasoul, Jalilzadeh Tohid, 2017/11/17, Six-phase interleaved boost dc-dc converter with high-voltage gain and reduced voltage stress , *IET Power Electronics*, 10, 1904-1914
- 10) Naderi Yahya, Hosseini Seyed Hossein, Ghassemzadeh Saeid, Mohammadi-Ivatloo Behnam, C. Vasquez Juan, M. Guerreo Josep M, 2018/07/16, An overview of power quality enhancement techniques applied to distributed generation in electrical distribution networks, *RENEWABLE & SUSTAINABLE ENERGY REVIEWS*, 93, 201-214
- 11) Hemmati Mohammad, Mohammadi-Ivatloo Behnam, Ghassemzadeh Saeid, Reihani Ehsan, 2018/10/18, Risk-based optimal scheduling of reconfigurable smart renewable energy based microgrids, *INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS*, 101, 415-428
- 12) Mohahammadpou Shotorbani Amin, Mohammadi-Ivatloo Behnam, Wang Liwei, Ghassemzadeh Saeid, Hosseini Seyed Hossein, 2018/10/31, Distributed secondary control of battery energy storage systems in a stand-alone microgrid, *IET Generation Transmission and Distribution*, 12, 3944 - 3953
- 13) Dolatabadi Soheil, Tohidi Sajjad, Ghassemzadeh Saeid, 2018/12/01, A New Active Method for Islanding Detection Based on Traveling Wave Theory, *Iranian Journal of Electrical and Electronic Engineering*, 14, 382-391
- 14) Hemmati Mohammad, Ghassemzadeh Saeid, Mohammadi-Ivatloo Behnam, 2019/02/12, Optimal scheduling of smart reconfigurable neighbour micro-grids, *IET Generation Transmission and Distribution*, 13, 380-389
- 15) Maalandish Mohammad, Hosseini Seyed Hossein, Ghassemzadeh Saeid, Babaei Ebrahim, Jalilzadeh Tohid, 2019/03/01, A Novel Multiphase High Step-Up DC/DC Boost Converter With Lower Losses on Semiconductors, *IEEE Journal of Emerging and Selected Topics in Power Electronics*, 7, 541-554
- 16) Maalandish Mohammad, Hosseini Seyed Hossein, Ghassemzadeh Saeid, Babaei Ebrahim, Jalilzadeh Tohid, 2019/03/01, A novel multi-phase high step-up DC/DC boost converter with lower losses on semiconductors, *IEEE Journal of Emerging and Selected Topics in Power Electronics*, 7, 541-554
- 17) Sohrabi Tabar Vahid, Ghassemzadeh Saeid, Tohidi Sajjad, 2019/05/01, Energy management in hybrid microgrid with considering multiple power market and real time demand response, *ENERGY*, 174, 10-23
- 18) Ghassemzadeh Saeid, Naderi Yahya, Hosseini Seyed Hossein, Mohammadi-Ivatloo Behnam, Savaghebi Mehdi, M. Guerreo Josep M, 2019/05/01, An optimized direct control method applied to multilevel inverter for microgrid power quality enhancement, *INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS*, 107, 496-506
- 19) Khalili Tohid, Tarafdar Hagh Mehrdad, Ghassemzadeh Saeid, Maleki Sajad, 2019/07/10, Optimal Reliable and Resilient Construction of Dynamic Self-Adequate Multi-Microgrids under Large-Scale Events, *IET Renewable Power Generation*, 13, 1750-1760
- 20) Roozbehani Sam, Tarafdar Hagh Mehrdad, Ghassemzadeh Saeid, 2019/11/06, Frequency control of islanded wind-powered microgrid based on coordinated robust dynamic droop power sharing, *IET Generation Transmission and Distribution*, 13, 4968-4977
- 21) Zeinal-Kheiri Sevda, Ghassemzadeh Saeid, Mohammadpour Shotorbani Amin, Mohammadi-Ivatloo Behnam, 2020/03/19, Real-time energy management in a microgrid with renewable generation, energy storages, flexible loads and combined heat and power units using Lyapunov optimisation, *IET Renewable Power Generation*, 14, 526-538
- 22) Ahmadi Jirdehi Mehdi, Sohrabi Tabar Vahid, Ghassemzadeh Saeid, Tohidi Sajjad, 2020/08/01, Different aspects of microgrid management: A comprehensive review, *Journal of Energy Storage*, 30, 101457

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24) Zamani-Gargari Milad, Tarafdar Hagh Mehrdad, Ghassemzadeh Saeid, 2021/04/01, Preventive maintenance scheduling of multi energy microgrid to enhance the resiliency of system, ENERGY, 221, 119782

25) Sohrabi Tabar Vahid, Ghassemzadeh Saeid, Tohidi Sajjad, 2021/04/01, Increasing resiliency against information vulnerability of renewable resources in the operation of smart multi-area microgrid, ENERGY, 220, 119776

26) Hajizadeh Mehrdad, Gharehpetian G B, Ghassemzadeh Saeid, Tolou Askari Mohammad, 2021/08/20, Optimal siting and sizing of electrical vehicle parking lots by considering technical constraints, Evolutionary Intelligence, 1, 1

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28) Aalami Mohammad Amin, Babaei Ebrahim, Ghassemzadeh Saeid, 2021/11/29, High voltage gain magnetically coupled half-bridge Z-source inverter, INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS, 1, 1

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38) Zamai Milad, Tarafdar Hagh Mehrdad, Ghassemzadeh Saeid, 2023/01/15, Preventive scheduling of a multi-energy microgrid with mobile energy storage to enhance the resiliency of the system, ENERGY, 263, 1-10

- 39) Zare Kazem, Fakour Arash, jodeiri seyedian Seyed Sadra, Jalali Mehdi, Tohidi Sajjad, Ghassemzadeh Saeid, Shafikhah Miadreza, 2023/02/23, Investigating Impacts of CVR and Demand Response Operations on a Bi-Level Market-Clearing With a Dynamic Nodal Pricing, IEEE Access, 11, 19148-19161
- 40) Amini Fariba, Ghassemzadeh Saeid, Rostami Naghi, Sohrabitabar Vahid, 2023/03/06, Electrical energy systems resilience: A comprehensive review on definitions, challenges, enhancements and future proceedings, IET Renewable Power Generation, 1, 1
- 41) Modaberi Seyyed Alireza, Tohidi Sajjad, Ghassemzadeh Saeid, Ghanizadeh Bolandi Tohid, 2023/04/03, A review of power system resilience assessment and enhancement approaches by focusing on wind farms and wind turbines, IET Renewable Power Generation, 1, 1
- 42) Aalami Mohammadamin Aalami, Babaei Ebrahim, Ghassemzadeh Saeid, 2023/05/22, Coupled Inductor Assisted High Voltage Gain Half-Bridge Z-source Inverter, IEEE Open Journal of the Industrial Electronics Society, -, 1-12
- 43) Asgharzadeh Fatemeh, Sohrabitabar Vahid, Ghassemzadeh Saeid, 2023/07/01, Stochastic bi-level allocation of electric vehicle charging stations in the presence of wind turbines, crypto-currency loads and demand side management, ELECTRIC POWER SYSTEMS RESEARCH, 220, 109383
- 44) Sohrabitabar Vahid, Tohidi Sajjad, Ghassemzadeh Saeid, 2023/08/01, Stochastic risk-embedded energy management of a hybrid green residential complex based on downside risk constraints considering home crypto miners, adaptive parking lots and responsive loads: A real case study, Sustainable Cities and Society, 95, 104589
- 45) Ghassemzadeh Saeid, Norouzi Saba, Sohrabitabar Vahid, Rostami Naghi, Tohidi Sajjad, 2023/08/21, Risk-constrained two-stage scheduling of a virtual energy hub integrated with intelligent parking lots in the presence of electrical and thermal energy markets and responsive loads, IET Generation Transmission and Distribution, 1, 1
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- 47) Samadi Gharehveran Sina, Ghassemzadeh Saeid, Rostami Naghi, 2023/11/15, Resilience-oriented planning and pre-positioning of vehicle-mounted energy storage facilities in community microgrids, Journal of Energy Storage, 72, 108263
- 48) Sohrabitabar Vahid, Tohidi Sajjad, Ghassemzadeh Saeid, 2023/11/30, Risk-constrained day-ahead planning of an energy hub integrated with the on-site hydrogen fueling station and active battery swapping infrastructure considering high level of renewable energies and load redistribution, Journal of Energy Storage, 72, 108700
- 49) Naderi Yahya, Hosseini Seyed Hossein, Ghassemzadeh Saeid, Savaghebi Mehdi, Dahidah Mohamed, M. Guerrero Josep, 2023/12/01, Multi-objective model predictive control for microgrid applications, INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, 154, 109441
- 50) Aalami Mohammad Amin, Babaei Ebrahim, Ghassemzadeh Saeid, 2024/01/04, A family of Z-source-based half-bridge inverters: Topology derivation, IET Power Electronics, 1, 1
- 51) Amini Fariba, Ghassemzadeh Saeid, Rostami Naghi, Sohrabitabar Vahid, 2024/01/11, A stochastic two-stage microgrid formation strategy for enhancing distribution network resilience against earthquake event incorporating distributed energy resources, parking lots and responsive loads, Sustainable Cities and Society, 101, 1
- 52) Shafiei Kasra, Ghassemzadeh Saeid, Tarafdar Hagh Mehrdad, 2024/05/15, Planning for a network system with renewable resources and battery energy storage, focused on enhancing resilience, Journal of Energy Storage, 87, 1
- 53) Kadhim Al-Hassanawy Ali Jawad, Zare Kazem, Ghassemzadeh Saeid, Nzari-Heris Morteza, 2024/05/20, Robust Coordination of Electricity and Gas Networks Integrated With Energy Hubs, Rooftop Solar Homes, and Responsive Loads, IEEE Access, 12, 76038 - 76052

- 1) Mohahammadpou Shotorbani Amin, Ghassemzadeh Saeid, Mohammadi-Ivatloo Behnam, Hosseini Seyed Hossein, Wang Liwei, 2017/12/04, Adaptive observer-based decentralized scheme for robust nonlinear power flow control using HPFC, journal of operation and automation in power engineering, 5, 191-203
- 2) Tarafdar Hagh Mehrdad, Roozbehani Sam, Ghassemzadeh Saeid, 2017/12/27, Dynamic Reverse Droop Power Sharing in MicroGrid based on Neural Networks, Procedia Computer Science, 120, 766-769
- 3) Joorabli Hamed, Gharehpetian Gevork, Ghassemzadeh Saeid, Ghods Vahid, 2021/04/01, Identification and Determination of Contribution of Current Harmonics and Unbalanced in Microgrids Equipped with Advanced Metering Infrastructure, barg, 51, 1
- 4) Mohammadi-Ivatloo Behnam, Sadeghian Omid, Mohammadpour Shotorbani Amin, Ghassemzadeh Saeid, 2023/12/17, Fuel cell preventive maintenance in an electricity market with Hydrogen storage and Scenario-Based risk management, Sustainable Energy Technologies and Assessments, 61, 1
- 5) Mohammadi-Ivatloo Behnam, Sadeghian Omid, Mohammadpour Shotorbani Amin, Ghassemzadeh Saeid, 2024/04/10, Energy management of hybrid fuel cell and renewable energy based systems - A review, International Journal of Hydrogen Energy, 1, 1

Presented Papers in International Conferences

- 1) Rashidi Aghdam Shima, Babaei Ebrahim, Ghassemzadeh Saeid, 9th International Conference on Technical and Physical Problems of Electrical Engineering, announcer, complete article, DEVELOPED SWITCHED INDUCTOR Z-SOURCE INVERTER BY USING BATTRIES, 2013/09/09, 2013/09/11
- 2) Mahmoodi Motlagh Abbas, Ghassemzadeh Saeid, Fazli Azar Behnam, Babaei Ebrahim, Badamchizadeh Mohammad Ali, 9th International Conference on Technical and Physical Problems of Electrical Engineering, announcer, complete article, DESING OF NONLINEAR ADAPTIVE POWER SYSTEM STABILIZER BASED ON BACK-STEPPING TECHNIQUE, 2013/09/09, 2013/09/11
- 3) Mahmoodi Motlagh ali, Ghassemzadeh Saeid, Fazli Azar Behnam, Babaei Ebrahim, Badamchizadeh Mohammad Ali, The 9th International Conference on Technical and Physical Problems of Electrical Engineering, announcer, complete article, DESING OF NONLINEAR ADAPTIVE POWER SYSTEM STABILIZER BASED ON BACK-STEPPING TECHNIQUE, 2013/09/09, 2013/09/11
- 4) Rashidi Aghdam Shima, Babaei Ebrahim, Ghassemzadeh Saeid, The 39th Annual Conference of the IEEE Industrial Electronics Society, announcer, complete article, mprovement the Performance of Switched-Inductor Z-Source Inverter, 2013/11/10, 2013/11/13
- 5) Aalami Mohammad Amin, Babaei Ebrahim, Ghassemzadeh Saeid, The 4th International Conference on Power Electronics and their Applications (ICPEA), announcer, complete article, Design and implementation of a new topology for multilevel inverter with reduced count of IGBTs and DC voltage sources based on developed H-bridge, 2019/09/25, 2019/09/27
- 6) Jamali Mohsen, Ghassemzadeh Saeid, Hosseini Seyed Hossein, 12th Power Electronics, Drive Systems, and Technologies Conference, announcer, complete article, A Two-Phase Hybrid Switched-Inductor DC-DC Converter with High Voltage Conversion Ratio, 2020/02/02, 2020/02/04
- 7) Sohrabi Tabar Vahid, Ghassemzadeh Saeid, Tohidi Sajjad, Siano Pierluigi, ICMEPS2021: International Conference & Exposition on Modern Energy and Power Systems, announcer, complete article, Determining the location of mobile generators under physical attacks to the distribution network lines, 2021/06/16, 2021/06/18
- 8) Aalami Mohammadamin Aalami, Babaei Ebrahim, Ghassemzadeh Saeid, 2022 30th International Conference on Electrical Engineering (ICEE), announcer, complete article, Cascaded multilevel inverter with reduced switch count, 2022/05/17, 2022/05/19
- 9) Sohrabi Tabar Vahid, Ghassemzadeh Saeid, Tohidi Sajjad, Siano Pierluigi, 2022 30th International Conference on Electrical Engineering (ICEE), announcer, complete article, Constructing a security network for improving the information vulnerability of transmission systems observability, 2022/05/17, 2022/05/19

10) Heidari Saeid, Seyedi Heresh, Ghassemzadeh Saeid, International conference on fundamental research in electrical engineering, announcer, complete article, High impedance fault, proposed models and detection methods, 2017/07/21, 2017/07/22

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