



Seyed Abbas taher

Professor

College: Faculty of Electrical and Computer Engineering

Department: Electrical Engineering - Power

| Education | | | |
|-----------|--------------|--------------------------------------|------------------------------------|
| Degree | Graduated in | Major | University |
| BSc | 1989 | Electrical Engineering-Power Systems | Amirkabir University of Technology |
| MSc | 1992 | Electrical Engineering-Power Systems | Tarbiat Modares University |
| Ph.D | 1998 | Electrical Engineering-Power Systems | Tarbiat Modares University |

| Employment Information | | | | |
|------------------------|----------------|-----------------|------------------|-------|
| Faculty/Department | Position/Rank | Employment Type | Cooperation Type | Grade |
| University of Kashan | Full Professor | Tenured | Full Time | 31 |

Work Experience

ADIMINISTRATIVE FUNCTIONS (ACADEMICS)

1. Head of Electrical Engineering Department at the University of Kashan.
2. Vice-dean of Engineering Faculty at the University of Kashan.
3. University Education Manager at the University of Kashan.
4. Dean of Faculty of Engineering at the University of Kashan.
5. Dean of Faculty of Electrical and Computer Engineering at the University of Kashan

PROFESSIONAL SOCIETY MEMBERSHIPS

1. Senior Member IEEE and its affiliate Societies of Power and Energy.
2. Member of Control and Instrumentation Society of Iran.

Papers in Conferences

1. Zahra Dehghani Arani, Josep M. Guerrero, Imbalance Power Sharing Improvement in Autonomous Microgrids Consisting of Grid-Feeding and Grid-Supporting Inverters, 7th Iran Wind Energy Conference (IWEC2021), 17-18 May 2021, Shahrood.
2. Seyed Mohammad Taher, Abolfazl Halvaei Niasar, Seyed Abbas Taher, A New MPC-based Approach for Torque Ripple Reduction in BLDC Motor Drive, IEEE - 2021 12th Power Electronics, Drive Systems, and Technologies Conference (PEDSTC), Tabriz, 2021 2 2.
3. Seyed Mohammad Taher, Seyed Abbas Taher, Zahra Dehghani Arani, Mohsen Rahimi, A New Approach for Low Voltage Ride Through Enhancement in Grid-Connected Wind Farms, IEEE - 2020 10th Smart Grid Conference (SGC), Kashan, 2020 12 16.
4. Mitra Nabian Dehaghani, Seyed Abbas Taher, Zahra Dehghani Arani, Distributed Secondary Voltage and Current Control Scheme with Noise Nullification Ability for DC Microgrids, IEEE - 2020 10th Smart Grid Conference (SGC), Kashan, 2020 12 16.

Papers in Journals

1. Application of Imitated Frequency Droop Technique and Predictive Control for Power Sharing in DC Microgrid Comprising SMES and PV Systems, Electric Power Systems Research, 2024 11 22, SCOPUS, JCR.
2. Enhancing Distance Protection in Transmission Grids with High Penetration of Renewable Energy Sources through Cooperative Protection, IET Generation, Transmission & Distribution, Vol. 18, pp. 3462, 2024 11 01, SCOPUS, JCR.
3. Enhancing Distance Protection in Transmission Grids with High Penetration of Renewable Energy Sources through Cooperative Protection, IET Generation, Transmission & Distribution, Vol. 18, pp. 3462, 2024 10 21, SCOPUS, JCR.
4. A Robust Backstepping Controller Based on Nonlinear Observer for Shunt Active Filters to Improve Power Quality in Four-Wire Distribution Systems, Jordan Journal of Electrical Engineering, Vol. 1, pp. 1, 2024 09 25, SCOPUS, JCR.
5. A Robust Backstepping Controller Based on Nonlinear Observer for Shunt Active Filters to Improve Power Quality in Four-Wire Distribution Systems, Jordan Journal of Electrical Engineering, 2024 09 18, SCOPUS, JCR.
6. پریسا سرافرازی, سید عباس طاهر, علی اخوان, طراحی کنترل کننده پسگام بهینه برای کنترل فیلتر اکتیو موازی به منظور ISC, جبران هارمونیک با استفاده از الگوریتم بهینه ساز نهنگ, مجله علمی محاسبات نرم, 16 09 2024.
7. پریسا سرافرازی, سید عباس طاهر, علی اخوان, طراحی کنترل کننده پسگام بهینه برای کنترل فیلتر اکتیو موازی به منظور ISC, جبران هارمونیک با استفاده از الگوریتم بهینه ساز نهنگ, مجله علمی محاسبات نرم, 16 09 2024.
8. پریسا سرافرازی, سید عباس طاهر, علی اخوان, طراحی کنترل کننده پسگام بهینه برای کنترل فیلتر اکتیو موازی به منظور ISC, جبران هارمونیک با استفاده از الگوریتم بهینه ساز نهنگ, مجله علمی محاسبات نرم, 16 09 2024.
9. A Robust Backstepping Controller Based on Nonlinear Observer for Shunt Active Filters to Improve Power Quality in Four-Wire Distribution Systems, Jordan

- Journal of Electrical Engineering,2024 08 19,SCOPUS ,ISI-Listed.
10. پریسا سرافرازی,سید عباس طاهر,علی اخوان, A Robust Backstepping Controller Based on Nonlinear Observer for Shunt Active Filters to Improve Power Quality in Four-Wire Distribution Systems, Jordan Journal of Electrical Engineering,2024 08 19,SCOPUS ,ISI-Listed.
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 20. پریسا سرافرازی,سید عباس طاهر,علی اخوان, A Robust Backstepping Controller Based on Nonlinear Observer for Shunt Active Filters to Improve Power Quality in Four-Wire Distribution Systems, Jordan Journal of Electrical Engineering,2024 08 19,SCOPUS ,ISI-Listed.
 21. سیدمهدی کلوشانی,سید عباس طاهر, A new virtual consensus-based wide area differential protection, IET Generation, Transmission & Distribution, Vol. 18, pp. 1906, 2024 05 30, SCOPUS ,JCR.
 22. سیدمهدی کلوشانی,سید عباس طاهر, A new virtual consensus-based wide area differential protection, IET Generation, Transmission & Distribution, Vol. 18, pp. 1906, 2024 04 22, SCOPUS ,JCR.
 23. Josep M. Guerrero, حسین ماهوش, سید عباس طاهر, Modified Backstepping Control for Cyber Security Enhancement of a Wind Farm Based DFIG Against False Data Injection, Hijack and Denial of Service Cyber attacks, Electric Power Systems Research, Vol. 231, pp. 1, 2024 04 04, SCOPUS ,JCR.
 24. Josep M. Guerrero, حسین ماهوش, سید عباس طاهر, Detecting and mitigating cyber-attacks in AC microgrid composed of marine current turbine DFIGs to improve energy management system, e-Prime - Advances in Electrical Engineering, Electronics and Energy, Vol. 7, pp. 1, 2024 03 19, SCOPUS ,JCR.
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28. Josep M. Guerrero, حسین ماهوش, سید عباس طاهر, A New Nonlinear Virtual Inertia Approach to Mitigate Destructive Effects of Cyber Attacks on Active Power and Rotor Speed Profiles of Wind Turbine DFIG Sustainable Energy Production, Smart Grids and Sustainable Energy, Vol. 9, pp. 1, 2024 03 06, SCOPUS, JCR.
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30. Josep M. Guerrero, زهرا دهقانی ارانی, سید عباس طاهر, Augmented Virtual Impedance-Based Fault Ride Through of Islanded Microgrids Under Harmonic and Unbalanced Conditions, International Journal of Electrical Power & Energy Systems, Vol. 157, pp. 1, 2024 02 10, SCOPUS, JCR.
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33. Josep M. Guerrero, حسین ماهوش, سید عباس طاهر, Mitigation of severe false data injection attacks (FDIAs) in marine current turbine (MCT) type 4 synchronous generator renewable energy using promoted backstepping method, Renewable Energy, Vol. 222, pp. 1, 2024 02 01, SCOPUS, JCR.
34. Josep M. Guerrero, حسین ماهوش, سید عباس طاهر, Mitigation of severe false data injection attacks (FDIAs) in marine current turbine (MCT) type 4 synchronous generator renewable energy using promoted backstepping method, Renewable Energy, Vol. 222, pp. 1, 2024 02 01, SCOPUS, JCR.
35. Josep M. Guerrero, زهرا دهقانی ارانی, سید عباس طاهر, Low-Voltage Survivability of Islanded Microgrids with Mixture of Single-Phase and Three-Phase DGs under Harmonic Conditions, IEEE Transactions on Sustainable Energy, 2023 11 03, SCOPUS, JCR.
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39. سید مهدی کلوشانی, سید عباس طاهر, Dynamic wide-area cooperative protection: A new approach, IET Generation, Transmission and Distribution, 2023 10 19, SCOPUS, JCR.
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41. Josep M. Guerrero, امیر حسین جعفری ازاد, سید عباس طاهر, زهرا دهقانی ارانی, محمد حسین کریمی, Adaptive Supplementary Control of VSG Based on Virtual Impedance for Current Limiting in Grid-Connected and Islanded Microgrids, IEEE Transactions on Smart Grid, 2023 05 09, SCOPUS, JCR.
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- Supplementary Control of VSG Based on Virtual Impedance for Current Limiting in Grid-Connected and Isolated Microgrids,IEEE Transactions on Smart Grid,Vol. 1,pp. 1,2023 05 09,SCOPUS ,JCR.
44. Josep M. Guerrero, Amir Hossein Jafari, Zohreh Dehghani Arani, Mohammad Hossein Karimi. Adaptive Supplementary Control of VSG Based on Virtual Impedance for Current Limiting in Grid-Connected and Isolated Microgrids,IEEE Transactions on Smart Grid,2023 05 09,SCOPUS ,JCR.
45. Josep M. Guerrero, Amir Hossein Jafari, Zohreh Dehghani Arani, Mohammad Hossein Karimi. Adaptive Supplementary Control of VSG Based on Virtual Impedance for Current Limiting in Grid-Connected and Isolated Microgrids,IEEE Transactions on Smart Grid,2023 05 09,SCOPUS ,JCR.
46. Josep M. Guerrero, Seyed Mohammad Taher, Seyed Abbas Taher, Zohreh Dehghani Arani. Precise current sharing and decentralized power management schemes based on virtual frequency droop method for LVDC microgrids,International Journal of Electrical Power and Energy Systems,Vol. 136,pp. 1,2022 03 31,JCR.
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48. Josep M. Guerrero, Mohammad Hossein Karimi, Seyed Abbas Taher. Independent predictive control with current limiting capability of three-phase four-leg inverter-interfaced isolated microgrids,INT J ELEC POWER,Vol. 134,pp. 1,2022 01 31,JCR.
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53. Seyed Abbas Taher, Vahid Falahtaji, Ali Abadi, Masoud Haji Akbari Fard. Fractional order PID controller design for LFC in electric power systems using imperialist competitive algorithm,Ain Shams Engineering Journal-ELECTRICAL ENGINEERING,Vol. 5,pp. 121,2014 01 11,SCOPUS.
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55. Seyed Abbas Taher, Reza Bakhshpour. A new approach for optimal capacitor placement and sizing in unbalanced distorted distribution systems using hybrid honey bee colony algorithm,International Journal of Electrical Power & Energy Systems,Vol. 49,pp. 430,2013 05 15,SCOPUS.
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59. Seyed Abbas Taher, Mohammad Karim Emoushahi. New approach for optimal UPFC placement using hybrid immune algorithm in electric power systems,International Journal of Electrical Power & Energy Systems,Vol. 43,pp. 899,2012 06 15,SCOPUS ,JCR.

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66. Saber Falahati Aliabadi, Seyed Abbas Taher,Load Frequency Control by using of Fuzzy-PID controller with Optimized Membership Functions,University of Kashan - Soft Computing Journal,2021 9 1.
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72. Seyed Abbas Taher, Saeid Fatemi, Omid Honarfar,Optimal Reconfiguration of Distribution Network for Power Loss Reduction and Reliability Improvement Using Bat Algorithm,University of Kashan - Soft Computing Journal,2021 5 23.
73. Seyed Abbas Taher, Mehdi Heidarian, Ehsan Hamnashin,Solving the Unit Commitment Problem Using Modified Imperialistic Competition Algorithm,University of Kashan - Soft Computing Journal,2021 5 23.
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control for variable magnitude variable frequency wave energy converter connected to constant power load,Elsevier - Journal of Energy Storage,2021 11 1.

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