Hamid Khoshkhoo

Associate Professor

College: Faculty of Electrical and Computer Engineering

Education

Degree	Graduated in	Major	University
BSc	2005	Electrical Power System Engineering	University of Zanjan
MSc	2007	Electrical Power System Engineering	Amirkabir University of Technology
Ph.D	2014	Electrical Power System Engineering	Iran University of Science and Technology

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
Faculty of Electrical Engineering (since Feb. 2015)	Faculty Member (University Lecturer-Associate Professor)	Tenure Track	Full Time	10

Papers in Conferences

1. Pouria Akbarzadeh Aghdam ,& Hamid Khoshkhoo ,"A Novel Method to Estimate Thevenin Equivalent Circuit Using Local Measurements" ,32nd International Conference on Electrical Engineering (ICEE) ,2024.
2. Hadi Abbaspour , Siavash Yari , Hamid Khoshkhoo , Innocent Kamwa ,"Improving Transient Stability in Power Systems through Integration of Large-Scale Photovoltaic Power Plants" ,9th International Conference on Technology and Energy Management (ICTEM) ,2024.
3. H. Abbaspour, S. Yari, E. Asadi, H. Khoshkhoo, S. M. Ale Emran ,"Determining Energy Storage Systems Capacity for Preventing Cascading Outages During Primary Control: A Dynamic Study" ,13th Smart Grid Conference (SGC) ,2023.
4. Siavash Yari, H. Khoshkhoo, Kumars Rouzbehi , S. M. Ale Emran ,"Preventing Frequency Instability Using Large-Scale Photovoltaic Resources" ,8th International Conference on Technology and Energy Management (ICTEM) ,2023.

5. Siavash Yari, Hamid Khoshkhoo, Nasser Hosseinzadeh ,“A Decentralized Remedial Action Scheme to Prevent Long-Term Voltage Instability Against N-1 and N-2 Contingencies” ,IEEE PES 14th Asia-Pacific Power and Energy Engineering Conference (APPEEC) ,2022.
6. Reza Ranji Bourachalou, Hamid Khoshkhoo, Siavash Yari ,"A new control method to prevent frequency instability using large-scale solar sources" (in Persian) ,8th Iranian Conference on Renewable Energy and Distributed Generation (ICREDG) ,2021.
7. Siavash Yari, Hamid Khoshkhoo ,"A New Approach to Determine Maximum Allowable Penetration Level of LSPVPPs Considering Transient Angle Stability" ,29th Iranian Conference on Electrical Engineering (ICEE) ,2021.
8. E. Asadi, H. Khoshkhoo, A. Parizad ,"A Novel Generation Shedding Procedure for Power Management System in Industrial Power Plants" ,29th Iranian Conference on Electrical Engineering (ICEE) ,2021.
9. M. Shahriyari, H. Khoshkhoo, A. Pouryekta, V.K. Ramachandaramurthy ,"Fast Prediction of Angle Stability Using Support Vector Machine and Fault Duration Data" ,IEEE International Conference on Automatic Control and Intelligent Systems ,2019.
10. Siavash Yari, Hamid Khoshkhoo ,"An Effective Corrective Remedial Action Algorithm to Prevent Voltage Instability" ,Conference on Knowledge Based Engineering and Innovation ,2019.
11. S. Yari, H. Khoshkhoo ,"Assessment of line stability indices in detection of voltage stability status" ,stability status", IEEE International Conference on Environment and Electrical Engineering and 2017 IEEE Industrial and Commercial Power Systems Europe (EEEIC/I&CPS Europe) ,2017.

Papers in Journals

1. M. Shahriyari, H. Khoshkhoo،"A Novel Approach for Fast Prediction of Transient Angle Stability Status in Power Systems" (in Persian)،Scientific Journal of Advanced Defense Science and Technology،۲۰۲۰.
2. H. Khoshkhoo, M. Khalilifar, S. M. Shahrtash,"Survey of Power System Restoration Documents Issued from 2016 to 2021",International Transactions on Electrical Energy Systems,2022.
3. M. Shahriyari, H. Khoshkhoo, Josep M. Guerrero,"A Novel Fast Transient Stability Assessment of Power Systems Using Fault-on Trajectory",IEEE Systems Journal,2022.
4. M. Shahriyari, H. Khoshkhoo,"A Deep Learning-Based Approach for Comprehensive Rotor Angle Stability Assessment",Journal of Operation and Automation in Power Engineering,2022.
5. Pourya Akbarzadeh Aghdam, Hamid Khoshkhoo,"Prediction of Voltage Stability Status Considering the Impact of the Protection System" (in Persian),Scientific Journal of Advanced Defense Science and Technology,2022.
6. S. Yari, M. Khaleghi, H. Khoshkhoo, M. Akhlaghi,"Improvement of Inter Area Oscillation Damping Using Synchronverter Control Model for Solar Power Plants" (in Persian),Journal of Advanced Defense Science and Technology,2021.
7. Hamid Khoshkhoo, Siavash Yari, Aref Pouryekta, Vigna K. Ramachandaramurthy, Josep M. Guerrero,"A Remedial Action Scheme to Prevent Mid/Long-Term Voltage Instabilities",IEEE Systems Journal,2020.
8. S. Yari, H. Khoshkhoo, S.M. Shahrtash,"Generation Equivalence Index (GEI) to assign low-order models to synchronous generators in voltage security assessment based on dynamic simulation",International Journal of Electrical Power & Energy Systems,2020.
9. P.A. Aghdam, Hamid Khoshkhoo,"A Novel Voltage Stability Assessment Algorithm to Predict Power System Loadability Margin",IET Generation, Transmission & Distribution,2020.
10. Siavash Yari, Hamid Khoshkhoo,"A comprehensive assessment to propose an improved line stability index",International Transactions on Electrical Energy Systems,2019.

Books

1. Book Chapter: Dynamic Stability Improvement of Islanded Power Plant by Smart Power Management

System: Principles, Descriptions, and Scenarios
2. Book Chapter: Dynamic Stability Improvement of Islanded Power Plant by Smart Power Management System: Implementation of PMS Logic
3. Book Chapter: Integration of Large-Scale Photovoltaic Power Plants into Power Networks to Maintain System Stability
4. Basics of Power Systems Protection; with Modelling and Practical Examples in PowerFactory (in Persian), 2022