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About

Dr. Waqas Amin is working as Assistant Professor in the Pakistan Navy Engineering College. Dr. Waqas Amin has a PhD in Renewable Energy. Dr. Waqas Amin has published 6 research articles & conference papers having a citation count of 90, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Renewable Energy University of Electronic Science and Technology of China , China	2017 - 2020
MS in Electrical Engineering University of Lahore , Pakistan	2012 - 2016
BS in Electrical Engineering University of Lahore , Pakistan	2003 - 2010

Experience

Assistant Professor Pakistan Navy Engineering College	2023- Present
Assistant Professor Pakistan Navy Engineering College	2022 - 2023
Assistant Professor The University of Lahore , The University of Lahore	2010 - 2019

Research Articles

A Novel Method of Transformer Overloading Detection by Magnetic Flux Leakage Measurements <i>Arsalan Habib Khawaja Dongsheng Cai Waqas Amin Q. Huang Wajiha Ateeq</i> <i>IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT</i> , Volume: 72, Article Number:6008509 Impact Factor: 5.6 Quartile: 1 Citations: 3 DOI: 10.1109/TIM.2023.3300432	2023
A novel prosumer-centric approach for social welfare maximization considering network voltage constraints in peer-to-peer energy markets <i>Khalid Umer Qi Huang Mohsen Khorasany Waqas Amin Muhammad Afzal</i> <i>International Journal of Electrical Power & Energy Systems</i> , Volume 147, Article Number 108820 Impact Factor: 5.659 Quartile: 1 Citations: 20 DOI: 10.1016/j.ijepes.2022.108820	2023
An Effective Pricing Mechanism for Electricity Trading Considering Customer Preference and Reserved Price in Direct P2P Electricity Market Under Uncertainty in Grid Supply <i>Waqas Amin Fayyaz Ahmad Khalid Umer Arsalan Habib Khawaja Muhammad Afzal Syed Adress Ahmad Surachai Chaitusaney</i> <i>IEEE Access</i> , Volume 10, Pages 96197-96211 Impact Factor: 3.476 Quartile: 2 Citations: 11 DOI: 10.1109/ACCESS.2022.3205125	2022
P2P Energy Trading: An Optimal Solution for Energy Shortage in Pakistan. <i>Waqas Amin Fayyaz Ahmad Khalid Umer Arsalan Habib Khawaja Muhammad Afzal Syed Adress Ahmad Surachai Chaitusaney</i> <i>IEEE Access</i> , Volume 10, Pages 89614-89633 Impact Factor: 3.476 Quartile: 2 Citations: 6 DOI: 10.1109/ACCESS.2022.3200484	2022

Role of game theory in future decentralized energy frameworks

2022

Waqas Amin Muhammad Afzal Li Jian Qi Huang Hoay Beng Gooi Yi Shyh Foo Eddy Khalid Umer

In: *Book on Decentralized Frameworks for Future Power Systems - Operation, Planning and Control Perspectives*, Chapter 8, Pages 189-206

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