

بيان بالإنتاج العلمي لأعضاء هيئة التدريس لبرنامج هندسة الاتصالات والإلكترونيات لسنة ٢٠٢٤

NO.	Year	Research Title	Author
1	2024	Neural network predictive control for fault detection and identification in DFIG with SMES for low voltage ride-through requirements	Prof.Dr. Mohamed Saeed
2	2024	Forecasting of energy efficiency in buildings using multilayer perceptron regressor with waterwheel plant algorithm hyperparameter	Prof.Dr. Mohamed Saeed
3	2024	Optimizing IoT-driven smart grid stability prediction with dipper throated optimization algorithm for gradient boosting hyperparameters	Prof.Dr. Mohamed Saeed
4	2024	Improved unsupervised deep Boltzmann learning approach for accurate hand vein recognition	<u>Dr. RANA NOUR</u>

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No.	Year	Research Title	Author
1	2023	Surface plasmonic nano grating for improving GaAs PIN photodetectors performance	Dr. Waleed Gaballah
2	2023	Effect of Different Nanoparticles SPP Grating on GaAs PIN Photodetector Performance	Dr. Waleed Gaballah
3	2023	Queueing Models Performance Analysis in Optical Switching Network Nodes	Dr. Waleed Gaballah
4	2023	Energy management system in smart buildings based coalition game theory with fog platform and smart meter infrastructure	Prof.Dr. Mohamed Saeed
5	2023	Green Hydrogen Production Ensemble Forecasting Based on Hybrid Dynamic Optimization Algorithm	Prof.Dr. Mohamed Saeed
6	2023	Forecasting Wind Power Based on an Improved AI-Biruni Earth Radius Metaheuristic Optimization Algorithm	Prof.Dr. Mohamed Saeed
7	2023	Electrical Power Output Prediction of Combined Cycle Power Plants Using a Recurrent Neural Network Optimized by Waterwheel Plant Algorithm	Prof.Dr. Mohamed Saeed
8	2023	A New Optimal Centralized Demand Side Management for a Campus Smart Microgrid	Prof.Dr. Mohamed Saeed
9	2023	A Novel Voting Classifier for Electric Vehicles Population at Different Locations Using AI-Biruni Earth Radius Optimization Algorithm	Prof.Dr. Mohamed Saeed

NO.	Year	Research Title	Author
10	2023	LoRaWAN-based IoT protocol for three levels central protection scheme in MT-HVDC networks with ANFIS-PSO restoration algorithm	Prof.Dr. Mohamed Saeed
11	2023	Practical prototype for energy management system in smart microgrid considering uncertainties and energy theft	Prof.Dr. Mohamed Saeed
12	2023	A Recommendation System for Electric Vehicles Users Based on Restricted Boltzmann Machine and Water Wheel Plant Algorithms	Prof.Dr. Mohamed Saeed

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NO.	Year	Research Title	Author
10	2022	Online estimation of Thévenin equivalent using discrete Fourier transform	Prof.Dr. Mohamed Saeed
11	2022	Optimal allocation of phasor measurement units in distribution power systems	Prof.Dr. Mohamed Saeed
12	2022	Energy Management System for Smart Microgrids Considering Energy Theft	Prof.Dr. Mohamed Saeed



بيان بالإنتاج العلمي لأعضاء الهيئة المعاونة لبرنامج هندسة الاتصالات والإلكترونيات من عام ٢٠٢٢ إلى ٢٠٢٤

NO.	Year	Research Title	Author
1	2023	A generic optimization and learning framework for Parkinson disease via speech and handwritten records	Eng.Nada Refaat
2	2023	Numerical simulation of parallel RLC Model Using Different Fractional Derivative operators	Eng.Ahmed Nazih

