## PERSONAL INFORMATION:

Name: **DIAA N.M. SALMAN**

📍 Palestine - Nablus

📱 🟢 **+972595206264**

✉ Diyasalman70@gmail.com

Sex Male | Date of birth 03/04/1995 | Nationality PALESTINIAN

https://scholar.google.com/citations?user=9N41DcQAAAAJ&hl=en

https://www.researchgate.net/profile/Diaa_Salman

**Profile:**

I hold a PhD in Electrical and Electronic Engineering and have a genuine passion for teaching and contributing to academia. My academic journey has equipped me with a solid foundation in both theoretical and practical aspects of the subject I am excited about the opportunity to bring my expertise to the classroom and contribute to the growth of future engineers.

Throughout my academic journey, I have cultivated a deep interest in research and have generated several ideas that I believe could lead to impactful research projects and academic papers. I am particularly excited about the prospect of collaborating with students and fellow faculty members to explore new avenues of innovation and discovery.

Thank you for considering my application. I would be delighted to discuss my qualifications further in an interview.

## A. EDUCATIONAL BACKGROUND:

| Degree | School/ University | Country | The Field of the Study | Registration Date | Graduation Date | Average |
|--------|--------------------|---------|------------------------|-------------------|-----------------|---------|
| PhD | Cyprus International University | Turkish Republic of Northern Cyprus | Electrical and electronic engineering (Power system, control, and Renewable energy) | Sep 2020 | Aug 2023 | Excellent |
| Master | Eastern Mediterranean University | Turkish Republic of Northern Cyprus | Electrical and electronic engineering (Power system, control, and Renewable energy) | Feb 2018 | Jun 2020 | Excellent |
| Bachelor | An-Najah National University | Palestine | Electrical Engineering (Power system) | Aug 2013 | Dec 2017 | Good |
| Secondary Education | King Talal Ben Abdullah School | Palestine | Scientific stream | Aug 2012 | Jul 2013 | Excellent |

- **PhD THESE TOPICS:**

Energy Management Optimization of the Electrical Grid, Including Electric Vehicle Facilities and Renewable Energy Sources.

- **MASTER THESE TOPICS:**

Unit Commitment by Considering the Uncertainty of Renewable Energy Sources.

- **BACHELOR GRADUATION PROJECT TOPIC:**

Remotely Operated underwater unmanned Vehicle (ROV).


## B. PUBLICATION LIST

**1.** Salman, D., & Kusaf, M. (2021). Short-term unit commitment by using machine learning to cover the uncertainty of wind power forecasting. Sustainability, 13(24), 13609.

**2.** Salman, d., Kusaf, M., & elmi, y. K. (2021, october). Using recurrent neural network to forecast day and year ahead performance of load demand: a case study of france. In 2021 10th international conference on power science and engineering (icpse) (pp. 23-30). IEEE.

**3.** Almasri and D. Salman. (2021). Using machine learning techniques to plan a fully renewable energy systems by the end of 2050: empirical evidence from jerusalem district electricity company. 2021 2nd asia conference on computers and communications (accc) (pp. 39-44). IEEE.

**4.** Elmi, Y. K., Jazayeri, M., Salman, D.(2021). The feasibility of economic viability of hybrid pv-diesel energy system connect with the main grid in somalia. International journal of smart grid and clean energy.

**5.** Al Musalhi, N. A. S. S. E. R., Salman, D., Kusaf, M., & Celebi, E. April 2022  Efficient Deep Learning Techniques For Short-Term Wind Power Forecasting Tianjin Daxue Xuebao (Ziran Kexue Yu Gongcheng Jishu Ban)/Journal Of Tianjin University Science And Technology 55.

**6.** Diaa Salman, Mehmet Kusaf. Day Ahead Unit Commitmentfor Ieee-30 Bus System Application Taking Into Consideration The Uncertainty Of Windpower Performance. In: Anastasia Nikologianni, Editor. Prime Archives In Sustainability: 2ndedition. Hyderabad, India: Vide Leaf. 2022.

**7.** Salman, Diaa Nabil Mahmoud. (2020). Unit Commitment By Considering The Uncertainty Of Renewable Energy Sources. Thesis (M.S.), Eastern Mediterranean University, Institute Of Graduate Studies And Research, Dept. Of Electrical And Electronic Engineering, Famagusta: North Cyprus.

**8.** Salman, D., Kusaf, M., Elmi, Y. K. & Almasri.A. (2022, June). Optimal Power Systems Planning For Ieee-14 Bus Test System Application . 10th International Conference On Smart Grid. IEEE.

**9.** Almasri, Ammar, Ismail Aburagaga, And Diaa Salman. "Explainable Artificial Intelligence Models Using S Tudents ' Academic Record Data , Tree Family Classifiers , And K-Means Clustering To Predict Students ' Performance,". 10th International Conference On Smart Grid. (June) 2022.

**10.** Salman, D., Al Musalhi, N., Kusaf, M., & Celebi, E. (2022, September). Integration of Electric Vehicle Charging Stations into the Unit Commitment Modeling. In *2022 11th International Conference on Power Science and Engineering (ICPSE)* (pp. 79-83).

**11.** Elmi, Y., & Salman, D. (2023). Simulation Model for Passive Harmonic Filters Using Matlab/Simulink: A Case Study. *Journal of Power and Energy Engineering, 11*(3), 1-14.

## C.  PAPERS BEING PROCESSED:

**1.** Salman, D., Kusaf, M., Almasri, A. Day Ahead Unit Commitment with High Penetration of Renewable Energy Sources and Electric Vehicle Charging Stations.

**2.** Salman, D., Kusaf, M., Fahrioglu, M. Investigating the Influence of Different Cost Functions on the Optimal Running Costs of the Unit Commitment Problem.

**3.** Salman, D., Kusaf, M., Fahrioglu, M. Direkoglu, C. Managing the Duck Curve: A Study of Unit Commitment Strategies for Renewable Energy Integration.

**4.** Salman, D., Direkoglu, C., Kusaf, M., Fahrioglu, M. Hybrid Deep Learning Models for Time Series Forecasting of Solar Power.

**5.** Salman, D., Almasri, A. Explainability of Deep Learning Techniques in Predicting the Solar Energy Performance.

**Note: Affiliation is not assigned yet for those papers** .

## D.  INTERNSHIPS:
- **04/2017 till 05/2017**

Company*:* AL- Ameed Architects & Engineers.
AL- Ameed Architects & Engineers, a company for providing engineering services &
consultation to the local consultation in the city of Nablus as well as the national community in
Palestine.
Duty*:* Supervision.
Address*: Nablus-Alkaser street/Palestine.*

**Website***: http://www.palcg.ps/client/520*

- **06/2017 till 07/2017**

**Company**:  **NAPCO.**
Aluminum profiles manufacturer's factory.
**Duty**: Maintenance engineer.
**Address**: Palestine -Nablus, Beit Iba, Qusin Junction.
**Website**: www.napco.ps

- **08/2017 till 09/2017**

**Company**: North Electrical Distribution Company (**NEDCO)**
**Duty**: Supervision.
**Address**: Nablus – Palestine /Nablus Municipality Commercial Complex - 6th Floor
**Website**: http://www.nedco.ps

**E.  WORK EXPERIENCE**

- **Sep 2018 till Jun 2020**
- Library assistant at Eastern Mediterranean University at the database section.

Duty: supervision and maintenance service.

Address: Famagusta T.R North Cyprus via Mersin 10, Turkey.

- **Sep 2018 till Jun 2020**
- Private tutorials teacher for bachelor students in the department of electrical and electronic engineering at Eastern Mediterranean University.

Duty: tutor.

Address: Famagusta T.R North Cyprus via Mersin 10, Turkey.

- **Sep 2020 till Aug 2023**
- Research and teaching assistant at the department of electrical and electronic engineering at Cyprus international university.

Duty: Research and teaching assistant.

Address: Nicosia T.R North Cyprus via Mersin 10, Turkey.

**F.  LANGUAGES**
- **Mother tongue(s) Arabic language**

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| **English language** | UNDERSTANDING | | SPEAKING | | WRITING |
|---|---|---|---|---|---|
| | Listening | Reading | Spoken interaction | Spoken production | |
| | **C2** | **C2** | **C2** | **C2** | **C2** |

- **Turkish Language: Beginner level.**

## G. COMPUTER SKILLS

Matlab, e-tab, primavera, AutoCAD, Microsoft Office (Word, Excel, PowerPoint, etc.), Internet, e-Mail, and Network Technology, installation of software and hardware, and some programming languages such as C++ and Python.

## H. OTHER SKILLS

Punctual, sociable, nice adaptable to a multicultural environment, extremely organized person, perfect abilities for solving problems, taking responsibility, oriented work capacity, purposefulness, honest and has communicational skills.

## I. RELEVANT TEACHING COURSES

Introduction To Logic Design, Introduction To Electrical And Electronic Engineering, Linear Algebra, Algorithms And Data Structures, Circuit Theory - I, Circuit Theory – II, Electrical Circuits, Signals And Systems, Electromagnetics – I, Electromagnetics – II, Electronics – I, Electronics – II, Electromechanical Energy Conversion, Control Systems, Communication Systems, Digital Signal Processing, Power Systems, High Voltage Techniques, Sustainability And Reliability, Image Processing, Optical Communication Network, Solar Energy Systems, Integration Of Renewables, Power System Harmonics, Fundamentals Of Energy Systems Optimization, Multidisciplinary Design Optimization, Power Systems, Protection And Control, Artificial Intelligence,  All Power Systems And Renewable Energy Related Courses, All Related Labs.

## J. RESEARCH INTEREST

Renewable Energy Sources, Power System Analysis, Power Quality, Energy Management, Machine learning, Deep learning,  Optimization.

## K. REFERENCES

- **Prof. Dr. Mehmet KUŞAF**
-Chair of Electrical and Electronic Engineering Department at Cyprus international University        -Lefkusa-T.R North Cyprus via Mersin 10, Turkey
- Contact: +90 392 671 11 11 Ext: 2423
-Academic email: mkusaf@ciu.edu.tr
-Profile: https://www.ciu.edu.tr/tr/muhendislik-fakultesi/mehmet-kusaf

- **Prof. Dr. Murat FAHRİOĞLU**
-Department of Electrical and Electronic Engineering, Middle East Technical University, Turkey.
Contact: +90 392 661 2928
-Academic email : fmurat@metu.edu.tr
-Profile: http://www.metu.edu.tr/~fmurat/