



TAREQ HUSAM FUQAHA

ELECTRICAL ENGINEER

PERSONAL INFORMATION

ADDRESS:

Anabta-Tulkarm-Palestine

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DATE OF BIRTH:

14.10.1997

LINKEDIN:

<https://www.linkedin.com/in/tareq-foqha-569445189/>

ACADEMIA:

<https://ptuk-ps.academia.edu/TareqFoqha>

GOOGLE SCHOLAR:

<https://scholar.google.com/citations?user=ywfvV1cAAAAJ&hl=en&oi=ao>

RESEARCHGATE:

<https://www.researchgate.net/profile/Tareq-Foqha>

EDUCATION

2020-2022

M.Sc. Degree in Electrical Power Engineering

An-Najah National University, Nablus-Palestine
With a GPA of 3.93 (Excellent).

Thesis Title: A hybrid firefly-genetic algorithm for the optimal coordination of directional overcurrent relays.

2016-2020

Bachelor in Electrical Engineering

Palestine Technical University – Kadoorie, Tulkarm-Palestine.

With a GPA of 90.2% (Excellent) and has the first place in the Department of Electrical Engineering.

2014-2015

High school certificate (Al-tawjehi-scientific stream)

Abdul-Rahim Mahmoud Sec. Boys School, Tulkarm-Palestine.

TRAINING COURSES

- 350 training hours in **Electrical Extensions, Industrial Control, and Distribution Transformers** at East lu'lua't center for vocational training, Tulkarm-Palestine.
- 30 training hours in **Comprehensive Qualification Program for Engineers in Solar Energy Systems** at Engineers Association & Palestinian Energy and Natural Resources Authority, Tulkarm-Palestine.
- 16 training hours in **Electrical Schematic Drawing Course Using AutoCAD Software** at Engineers Association, Tulkarm-Palestine.

AREAS OF INTEREST

- Lecturing courses.
- Power System analysis, design and simulation.
- Transmission/Distribution System Protection.
- Power System Security.
- Power System Quality.
- Electrical Machines.
- Optimization Algorithms.
- Microgrids and distribution generation.



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ELECTRICAL ENGINEER

SOFTWARE SKILLS :

- PowerWorld Simulator
- Etap
- MS Office
- Matlab Simulink
- Multisim
- PowerFactory – DIgSILENT
- SOLV
- Siemens DIGSI
- Siemens SIGRA
- PVSyst

MANAGERIAL SKILLS

- High ability to work in a team environment.
- Can work efficiently under pressure.
- Have very good public relations skills.

MEMBERSHIPS

- Member of IEEE Power & Energy Society.

WORK EXPERIENCE

September,
2020 –
September,
2022

Palestine Technical University, Tulkarm.

Electrical Machines Lab

- Lab supervisor
- Lecturer
- Design and prepare lab manual for students.

Electrical Power Systems Lab

- Lecturer
- Designing experiments for the new electrical power systems laboratory.

Electrical Power Systems Protection Lab

- Designing experiments for the new electrical power system Protection laboratory for Industrial Automation Engineering students.

Electrical Measurement Lab

- Lecturer

Digital Logic and Digital Electronics Lab

- Lecturer

Digital Circuit Design Lab

- Lecturer

Power Simulation Techniques (Theoretical Course)

- Professor Assistant

Tulkarm Chamber Of Commerce – Technical & Vocational Training Unit

Design and Analysis of Power Distribution Networks Using ETAP Software (50 Hours)

- Structure of Palestinian Power System
- Introduction to Distribution Systems
- Load Characteristics
- Distribution Transformers
- Voltage Drop and Power Loss Calculations

July, 2022 –
September,
2022



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- Distribution System Voltage Regulation
- Short Circuit Studies
- Protection of Electrical Distribution Systems
- Power Factor Improvement and Economical study
- Distribution Switchgear
- Power Quality
- On-grid Solar System Design

November,
2021 –
February,
2022

Tulkarm Chamber Of Commerce – Technical & Vocational Training Unit

Power System Analysis and Design Using Etap & PowerWorld Simulator (40 Hours)

- Computers in Power System Engineering
- Power Factor Correction
- Tap Changing Transformers
- Transmission Line Modeling and Performance
- Reactive Power Compensation in Transmission Lines
- Power Flow Analysis and control
- Power System Security
- Fault Analysis
- Optimal Power Flow
- Transient Stability
- Simulation of a PV System Operating in Grid-Connected

PUBLICATIONS

- [1] **T. Foqha**, S. Alsadi, S. S. Refaat and K. Abdulmawjood, "Experimental Validation of a Mitigation Method of Ferranti Effect in Transmission Line," in IEEE Access, vol. 11, pp. 15878-15895, 2023, doi: 10.1109/ACCESS.2023.3244826.
- [2] Alsadi, S., & **Foqha, T.** (2021). Mass flow rate optimization in solar heating systems based on a flat-plate solar collector: A case study.

VOLUNTARY WORK

- July, 2021 – Present Vice Chairman in IEEE Student Branch at Palestine Technical University – Kadoorie, Tulkarm, Palestine.



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LANGUAGES

Language	Speaking	Reading	Writing
Arabic	Excellent	Excellent	Excellent
English	Good	Very good	Very good
Turkish	Good	Good	Good

REFERENCES

Prof. Samer Alsadi

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Dr. Mahmoud Ismail

Department of Electrical Engineering. Faculty of Engineering, Palestine Technical University – Kadoorie, Tulkarm-Palestine.

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Dr. Moien Omar

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