Moustafa Mohsen Abdelhamid Mohamed was born in Assiut, Egypt, on September 25, 1996. He received the B.Sc. degree in electrical power and machines engineering from Assiut University. He graduated in 2019 with distinction with honors with grade 88.47%. His graduation project is performance analysis of distance relay in the 500 KV Egyptian network. Now, he works as a teaching assistant in the higher institute of engineering in El-Shorouk Academy at the department of electric power and machines. His research approach is about transient analysis at power systems and renewable energy studies.

Contact Information

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Date of birth: 25/09/1996
Nationality: Egyptian
Social Status: Married
Military Status: Exempted

Qualifications

April 2020 – Dec. 2022   **Master of Science (M.Sc.)**
Faculty of Engineering at Shoubra, Benha University, Egypt
Electrical Power and Machines Engineering Department
Thesis Title: "Investigation of Voltage Transients Effects on Photovoltaic Power Plants".

Sept 2014 – July 2019   **Bachelor of Science (B.Sc.)**
Faculty of Engineering, Assuit University, Egypt
Electrical Power and Machines Engineering Department
Project: Performance analysis of
distance relay in the 500 KV Egyptian network.
Appreciation: Excellent with Honors

Positions Held

Dec. 2022 - Now   **Teaching Assistant**
Higher Institute of Engineering at El-Shorouk City, Egypt
Electrical Power & Machines Engineering Department.
Power system control, Green Building, Renewable Energy, Protection Lab., Energy Conversion, Electric Circuits.
Present lab instruction and grade assignments for 25-30 students in the undergraduate courses.
Specialized in Protection, Power Systems, Simulations, and Control Labs.

April 2020 – Dec. 2022   **Demonstrator**

Higher Institute of Engineering, EL-Shorouk City, Egypt
Electrical Power & Machines Engineering Department.
Specialized in High-Voltage Engineering, Electromagnetic Fields, Electric Circuits, Programmable logic controller (PLC), Transformer testing, Dc and Induction motor testing ,Protection lab., Power system reliability , Power system control,....etc.

Areas of Education Expertise

1. Power System Transient Analysis
2. High Voltage Engineering
3. Power System Control
4. Power Quality
5. Renewable Energy
6. Green Energy
7. MATLAB Platform
8. Smart Grid
9. Capacity Integration and Distributed Generation
10. Switchgear and Protection
11. Artificial Intelligence Applications and deep learning in Power Systems.

Academic Training Courses	Date
International Publishing of Scientific Research	04/09/2022 – 06/09/2022
Scientific Research Methodology	19/07/2022 – 20/07/2022
Scientific Research Ethics	17/07/2022 – 18/07/2022
Fundamentals of Digital Transformation (FDTC)	24/04/2022 – 28/04/2022
Test of English as a Foreign Language (TOEFL)	21/11/2021 – 22/11/2021
Institutional Self-Evaluation for Higher Education	20/09/2020 – 23/09/2020
Effective teaching skills	26/1/2020 – 29/01/2020

Publications

1. A. I. Omar, **M. Mohsen**, M. A. Abd-Allah, Z. M. Salem Elbarbary and A. Said, "Induced Overvoltage Caused by Indirect Lightning Strikes in Large Photovoltaic Power Plants and Effective Attenuation Techniques," in IEEE Access, vol. 10, pp. 112934-112947, 2022, doi: 10.1109/ACCESS.2022.3216866.
2. A. Said, M. A. Abd-Allah, **M. Mohsen**, and A. I. Omar, "Alleviation of the transients induced in large photovoltaic power plants by direct lightning stroke," Ain Shams Eng. J., p. 101880, Jul. 2022, doi: 10.1016/j.asej.2022.101880.

Skills

❖ *Language*
  - Arabic: Native Language.
  - English: Professional

❖ *Computer Experience*
  - Power Systems Computer Aided Design (PSCAD) / Electromagnetic Transients including DC (EMTDC)
  - MATLAB Platform.
  - Electrical Transient Analyzer Program (ETAP).
  - HOMER
  - Hourly Analysis Program (HAP).
  - AutoCAD and Revit MEP Electrical.
  - Dialux EVO
  - Ecodial.
  - Microsoft Office Package

Personal Qualities

❖ Work in a team and quite well to be a team leader.

❖ Strong Communication skills.

❖ Strong Presentation skills.

❖ Self-learner and creative.

❖ Hard worker and can work under pressure.

Social

https://scholar.google.com/citations?hl=ar&user=nOoZWEsAAAAJ&view_op=list_works&sortby=title

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https://orcid.org/my-orcid?orcid=0000-0002-3267-4929

https://www.linkedin.com/in/mostafam-abdelhamid-9206841a1/