

# Mona Mohammed Ahmed Zedan



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## Objective

I am seeking an opportunity where I could improve my skills and gain good experience.

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## Education

2021-2026 Ph.D. degree in Electrical Engineering at Faculty of Engineering, Aswan University

2014-2018 M.Sc. degree in Electrical Engineering from Faculty of Engineering, Aswan University

2011-2013 Dip. in Electrical Engineering from Qena Faculty of Engineering, South valley university

2006-2010 B.Sc in Electrical Engineering from Faculty of Energy Engineering, Aswan University

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## Technical skills

Electrical control:

- Programmable logic control (PLC)
- Classic Control

Programming:

- ICDL Certificates.
- Photoshop.

Engineering software:

- AutoCAD.
- MATLAB.

Courses:

- Human Development.

## Work Experience

- Lecturer at the Higher Institute of Engineering and Technology, Al- Tod, Luxor, from 2/2026.
  - Assistant Lecturer at the Higher Institute of Engineering and Technology, Al- Tod, Luxor, from 10/2024 to 2/2026.
  - Assistant Lecturer at the Higher Institute of Engineering and Technology, King Marriott, Alexandria, from 10/2019 to 9/2024.
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## Undergraduate Courses as a Lecturer

- Electric Measurements (Second year Communications, second semester)
- Thermodynamics (First year Communications, second semester)
- Electric Test 1 (First year Communications, second semester)

## Undergraduate Courses as Assistant Lecturer

- Electric Circuits1 (Second year Communications, first semester)
  - Electric Circuits 2 (Second year Communications, second semester)
  - Electric Measurements (Second year Communications, second semester)
  - Electric Test 1 (Third year Communications, first semester)
  - Electric Test 2 (Third year Communications, second semester)
  - Dynamic Control Systems (Third year Communications, second semester)
  - Electromagnetic Waves (Fourth year Communications, first semester)
  - Material (First year Communications, first semester)
  - Magnetic Field (Second year Communications, first semester)
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## Publication

- [1] M. Zedan, M. Nour, G. Shabib, L. Nasrat a, A. Ali, "Review of peer-to-peer energy trading: Advances and challenges," *e-Prime - Advances in Electrical Engineering, Electronics and Energy*, vol. 10, Dec. 2024, Art.no,100778, doi: <https://doi.org/10.1016/j.prime.2024.100778>
- [2] M. Zedan, M. Nour, G. Shabib, Z. Ali, A. Alharbi, A.Ali, "Techno-Economic Assessment of Peer to Peer Energy Trading: An Egyptian Case Study," *IEEE Access*, vol. 12, pp.58317 – 58337, Apr. 2024, doi: [10.1109/ACCESS.2024.3387850](https://doi.org/10.1109/ACCESS.2024.3387850)

- [3] M. Nour, M. Zedan, G. Shabib, L. Nasrat and A. Ali, "Techno-economic Analysis of Peer-to-Peer Energy Trading Considering Different DER characteristics" *Electricity*, 2025, 6(4), 57; <https://doi.org/10.3390/electricity6040057>
- [4] L. Nasrat, M. Zedan, A. Ali, G. Shabib, "Review on Energy Trading of Community-Based Projects around the World," *IEEE 23rd International Middle East Power Systems Conference (MEPCON)*, 13-15 Dec. 2022, Cairo, Egypt, doi: [10.1109/MEPCON55441.2022.10021688](https://doi.org/10.1109/MEPCON55441.2022.10021688)
- [5] L. Nasrat, A. Eid, M. Mohammed, "Impact Alumina tri-hydrate and Silica Inorganic Fillers on the Electrical and Ultrasonic Properties of Non-Ceramic Insulators," *International Journal of Innovations in Engineering and Technology*, vol.9, no 3, pp: 57-68, Feb. 2018.
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### **Training Experience**

- Esna Barrage Ministry of Water Resources Irrigation, 2006.
  - Esna Electric Transformation Station, 2007.
  - Esna Electric Generation Station, 2008.
  - Esna Electric Transformation Station, 2009.
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### **Soft skills**

- Ability to work as a team member or as a leader
  - Time management skills
  - Communication skills
  - Ability to work in a pressure environment and for a long duration
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### **Languages skills**

- Arabic (mother tongue)
  - English (very good)
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### **Personal Information**

- Date of Birth: 12/5/1988
- Gender: Female
- Address: Esna, Luxor
- Nationality: Egyptia