



## Eman Sherkawy Abd Allah

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Research gate:

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Address: Luxor, Egypt

### Education

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Bachelor of Electrical Engineering (power and machine section) September 2008 – July 2013  
Faculty of Engineering, Assiut University  
Appreciation: very good

Master of Electrical Power Engineering - Faculty of Engineering - Aswan University July 2019  
Title of M.Sc. thesis  
“Improvement of Dielectric Strength for High Voltage Cables Using Mathematical Models”

PhD in Electrical Engineering - Faculty of Engineering - South Valley University May 2024  
Title of PhD thesis  
“Low Density Polyethylene Cables Improvement by Loading Different Grain Size Inorganic Fillers”

### Work Experience

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Demonstrator at Electronic & Communication Department September 2013- July 2019  
High Institute of Engineering and Technology in El Tod

Assistant instructor at Electronic & Communication Department August 2019 - May 2024  
High Institute of Engineering and Technology in El Tod

lecturer at Electronic & Communication Department June 2019 - Present  
High Institute of Engineering and Technology in El Tod

### Participation in Committees

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- Judge at Intel Science and Engineering Fair Egypt 2016
- Participation in monitoring and control work at the High Institute of Engineering and Technology in El Tod
- Head of Rover Camps and Public Service
- Member of the committee for preparing standards for the self-study of the High Institute of Engineering and Technology in El Tod
- Member of the internal committee for reviewing the standards for the self-study of the High Institute of Engineering and Technology in El Tod
- General Coordinator of the Quality Assurance Unit at the High Institute of Engineering and Technology in El Tod

## **Teaching Fields at the Institute**

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- Engineering Drawing and Projection
- Mechanics
- Electrical Properties of materials
- Electric Fields Theory
- Mechanical Engineering
- Electromagnetic Fields Theory
- Electrical Machines (1)
- Electrical Machines (2)

## **National Authority for Quality Assurance and Accreditation of Education Courses**

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- Examination systems and student evaluation for colleges and institutes of higher education
- Effective teaching and learning strategies for colleges and institutes of higher education
- Description of programs and courses and evaluation of learning outcomes for colleges and institutes of higher education
- Preparation of self-study according to the institutional accreditation standards, 2015 edition, amended
- Strategic planning for colleges and institutes of higher education
- External review of colleges and institutes of higher education
- Building Capacities for Accreditation Readiness in Higher Education Institutions

## **Courses to Develop the Capabilities of Faculty Members**

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Competitive Research Projects Course Faculty and Leadership Development Center, South Valley University	January 2016
Examination Systems and Student Evaluation Course Faculty and Leadership Development Center, Luxor University	May 2020
Financial and Administrative Aspects Course in University Administration Faculty and Leadership Development Center, Luxor University	September 2023
Scientific Conference Organization Course Faculty and Leadership Development Center, Luxor University	November 2025

## **Engineering Courses**

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Digital Transformation  
ICDL  
Electric Contactor  
Dialux  
PLC

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AUTO CAD  
MATLAB

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### Co-Supervised in Senior undergraduate Level Projects

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- Remotely Operated Underwater Vehicle (ROV) [Luxor Higher Institute of Engineering & Technology - Academic year 2022-2023]

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### Publications

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- 1) Eman El Sherkawy, Loai S. Nasrat, and Mahmoud Rihan. "The effect of thermal ageing on electrical and mechanical properties of thermoplastic nanocomposite insulation of power high-voltage cables." *Electrical Engineering & Electromechanics*, vol 3 , p.p 66-71, Apr 2024.
- 2) Eman El Sherkawy, Loai S. Nasrat, and Mahmoud Rihan. "Electrical and Mechanical Performances for Low-Density Polyethylene Nano Composite Insulators." *South Asian Research Journal of Engineering and Technology*, vol 6, no. 1, p.p 53-60, 2024.
- 3) Eman El Sherkawy, Loai S. Nasrat, and Mahmoud Rihan. "ASSESSMENT OF BREAKDOWN VOLTAGE FOR LOW DENSITY POLYETHYLENE CABLES USING NANO ALUMINIUM OXIDE FILLER." 27th International Conference on Electricity Distribution, Rome 2023.
- 4) Eman El Sherkawy, Loai S. Nasrat, A. A. Ibrahim. "Least Square Method to Determine Dielectric Strength For XLPE Cables Loaded with Boracic Acid Filler". *International Journal of Trend in Research and Development*, Vol 6, 2019.

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### Training

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Sugar factory and integrated industries Internship	August 2010
Training on the factory's turbine station and the electric motor winding workshop.	
High voltage transformer station Belonging to the Electricity Company of Upper Egypt Region Internship	August 2011
Training on the various components of the transformer station and the station's control room	
Sugar factory and integrated industries Internship	August 2012
Training on the factory's turbine station and the electric motor winding workshop.	

## **Computer Skills**

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Proficient user of MS Office 2007, 2010,2014,2016.

Good user windows (10).

Good in Matlab program.

Communication skills

Presentation skills

Time management

## **Interests**

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Driving

Reading and listening to news, traveling, and reading books.

Good communication skills.

Ability to work individually and as a co-operative team member.

## **Date of Birth**

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16 June 1991

## **Nationality**

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Egyptian

## **Marital Status**

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Married

## **Reference**

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Reference available upon request