

Dr. Basem Abd-Elhamed Rashad Abd-Elrazek



Ph.D. IN ELECTRICAL POWER ENGINEERING

Electrical Power and Machines Department.
Higher Institute of Engineering at El-Shorouk City, Cairo, Egypt.
El-Shorouk Academy, Cairo, Egypt.

PERSONAL INFORMATION

Date of Birth : 6 / 6 / 1984

Nationality : Egyptian

Marital Status: Married

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Education

- **Ph.D.** , Faculty of Engineering, Cairo University, Giza, Egypt, 2020
❖ **Field of Study :** Digital Protection of HV Transmission Lines.
- **M.Sc.** , Faculty of Engineering and Technology - Arab Academy for Science, Technology and Maritime Transport, 2014
❖ **Field of Study:** Power Quality Analysis of a Grid connected PV System.
- **B.Sc.** , Higher Institute of Engineering at El-Shorouk City, Cairo, Egypt, El-Shorouk Academy, 2006
❖ **B.Sc. Thesis** on Design of Electrical Distribution Systems (Power and Light Current) for the British University in Egypt - with appreciation (excellence).
❖ Top of the Class.

Academic Summary

- From 9/2006 - until 9/2014: Teaching Assistant in the Department of Electrical Power and Machinery Engineering at the Higher Institute of Engineering – El-Shorouk Academy - Cairo - Egypt.
- From 1/2015 to 8/2020: Assistant Lecturer, Department of Electrical Power and Machinery Engineering at the Higher Institute of Engineering – El-Shorouk Academy - Cairo - Egypt.
- 1 / 6 / 2020 - Present: Doctor of Electrical Power Engineering, Higher Institute of Engineering – El-Shorouk Academy - Cairo - Egypt.

<p>Graduated Data:</p>	<ul style="list-style-type: none"> • Master of Science degree in Electrical and Control Engineering - College of Engineering and Technology - Arab Academy for Science, Technology and Maritime Transport -2014. <ul style="list-style-type: none"> ❖ Thesis Title: "Power Quality Analysis for a Grid-connected PV Systems" • Doctor of Philosophy degree in Electrical Power and Machine Engineering - Faculty of Engineering - Cairo University - 2020. <ul style="list-style-type: none"> ❖ Thesis Title: "Adaptive Single-End Scheme For Detecting and Locating Open Conductor Faults in HV Transmission Lines"
<p>Academic Courses Taught:</p>	<ul style="list-style-type: none"> • Higher Institute of Engineering – El-Shorouk Academy - Cairo - Egypt <ul style="list-style-type: none"> ❖ Electrical power systems ❖ Practical training ❖ Electrical tests ❖ Electrical power system protection ❖ Electrical machines ❖ Electrical circuits ❖ Applications of electrical power systems using MATLAB. ❖ Graduation projects • Other Courses <ul style="list-style-type: none"> ❖ Renewable Energy Sources ❖ Electrical Power Plants ❖ Electrical Installations ❖ Digital Signal Processing
<p>Published Papers:</p>	<p>[1] A. Y. Abdelaziz, Hadi M. El-Helw and Basem Abdelhamed, “Comparative Evaluation of Maximum Power Point Tracking Techniques for Grid Connected PV System”, Proceedings of 11th International Conference on Modeling and Simulation of Electric Machines, Converters and Systems, ELECTRIMACS 2014, 19-22 May 2014, Valencia, Spain.</p> <p>[2] A. Y. Abdelaziz, Hadi M. El-Helw and Basem Abdelhamed, ‘Transient Analysis of Grid-Connected Photovoltaic System Based on Comparative Study of Maximum Power Point Tracking Techniques’, International Journal of Advances in Power Systems (IJAPS), Vol. 1, No. 3, December 2013.</p> <p>[3] Basem Abd-Elhamed Rashad, Doaa K. Ibrahim, Mahmoud I. Gilany, and Aboul’Fotouh El’Gharably, "Adaptive Single-End Transient-based Scheme for Detection and Location of Open Conductor Faults in HV Transmission Lines", Elsevier, Electric Power Systems Research (Thomson Reuters IF=3.030 – Q1), Volume 182, May 2020, Article 106252. https://www.sciencedirect.com/science/article/abs/pii/S0378779620300596 https://doi.org/10.1016/j.epsr.2020.106252</p>

	[4] Basem Abd-Elhamed Rashad, Doaa K. Ibrahim, Mahmoud I. Gilany, and Aboul’Fotouh El’Gharably, "Single-End Measuring Scheme for Open Conductor Fault Detection Based on Discrete Wavelet Transform in HV Transmission Lines", International Journal of Engineering and Information Systems (IJEAIS), Vol. (8), No. (4), p.p: 241-251, 2020.
Computer Skills:	<ul style="list-style-type: none"> • AutoCAD (Very Good) • MATLAB Program (very good as a user and programmer) • Microsoft Office (Word, Excel, PowerPoint, ...) • Good knowledge of using Electrical Software such as (ATP / EMTP NEPLAN, ETAP, & PSCAD) • Good knowledge of lighting software such as (Calculux, Dialux & Cadlux)
Reviewer in International Journals	<ul style="list-style-type: none"> • Electric Power Systems Research • IET Generation, Transmission & Distribution
Technical Development Courses:	<ul style="list-style-type: none"> • Writing Technical Notes • AutoCAD - 2006
Interests:	<ul style="list-style-type: none"> • Strong communication skills • Self and creative learning, good reading, and exercise.
Languages:	<ul style="list-style-type: none"> • Arabic is the mother Language. • Good English "reading, writing and speaking"
Scholastic Awards	<ul style="list-style-type: none"> • The ideal student at the level of the Higher Institute of Engineering at El-Shorouk City, Cairo, Egypt (2005) • Higher Institute of Engineering at El-Shorouk City Graduate, With Honor Degree Award (2006)
For Review:	<ul style="list-style-type: none"> • From the Department of Electrical Power and Machines at Al-Shorouk Academy <ul style="list-style-type: none"> ❖ Assoc. Prof. Dr. Aboul’fotouh Abd-Elreheem Mohamed El’gharably Electrical Power and Machines Department, Higher Institute of Engineering at El-Shorouk City, Cairo, Egypt a.abdelreheem@sha.edu.eg (00201004881722) • From the Department of Electrical Power Engineering, Faculty of Engineering - Cairo University. <ul style="list-style-type: none"> ❖ Prof. Dr. Mahmoud Ibrahim Gilany Electrical Power Engineering Department Faculty of Engineering, Cairo University drgilany@gmail.com (00201005074206)

❖ Prof. Dr. Doaa Khalil Ibrahim

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References

Available on request.