

1. Name: Khalil M. ElKhamisy, Communication & Electronics Eng. Dep. - Higher institute of Eng. – Elsherouk city.

2. Degrees:

- B.S. (Communication & Electronics Eng.) Higher institute of Eng. – Elsherouk city, Egypt 2008
- M.Sc. (Communication & Electronics Eng.) Arab Academy for Science, Technology and Maritime Transport (AASTMT), Cairo, Egypt 2015
- PhD. (Communication & Electronics Eng.) Faculty of Electronic Engineering - Menoufia University, Egypt 2008

3. Years of Service on Faculty: 36

- 10/2022 - Present Assistant Professor

4. Other Experience:

- From 10/02/2016 – 10/01/2017 Part Time Teaching Assistant Arab Academy for Science, Technology and Maritime Transport (AASTMT), Cairo, Egypt.
Teaching in classrooms and laboratories
- From 05/02/2012 – to 31/10/2015 Part Time Research Assistant Arab Academy for Science, Technology and Maritime Transport (AASTMT), Cairo, Egypt.
- From 01/04/2011 – to 01/10/2011 Maintenance Engineer
AS medical company
Responsible of maintenance and repair of the Electrical Power supply devices
- From 23/09/2009 – to 30/03/2011 Radar Officer
Egyptian Air Defense Forces, Responsible of maintenance and repair of the radars for Military unit

5. Consulting Activities (selected)

- None

6. States in which registered:

- Cairo, Egypt.

7. Principal publications of last 5 years (selected):

- Khalil M. ElKhamisy, S. El-Rabaie, Salah S. Elagooz, and Hamdy Abd Elhamid ” The effect of different surface grating shapes on thin film solar cell efficiency” 2019 International Conference on Innovative Trends in Computer Engineering, Aswan Egypt, pp. 297-300, 2-4 February 2019.
- ElKhamisy, K., Abdelhamid, H., Elagooz, S. et al. The effect of different surface plasmon polariton shapes on thin-film solar cell efficiency. J Comput. Electron 20, 1807–1814 (2021). <https://doi.org/10.1007/s10825-021-01729-0>
- Khalil ElKhamisy, Hamdy Abdelhamid, Salah Elagooz, and El-Sayed M. El-Rabaie” The Effects of surface plasmon polariton on Silicon Thin Film Solar Cell Array” International Japan-Africa Conference on Electronics, Communications, and Computations (JAC-ECC 2021), Alexandria Egypt, pp. 65-68, 13-14 December 2021.

- ElKhamisy, K., Abdelhamid, H., Elagooz, S. et al. The efficiency of silicon thin film solar cell: impact of temperature with different surface shapes. *Opt. Quant Electron* 54, 49 (2022). <https://doi.org/10.1007/s11082-021-03433-6>
- Abdelhamid, H., El-Deib, A., ElKhamisy, K. et al. Experimental validation of different PV technologies using a physical-based model. *Opt Quant Electron* 54, 424 (2022). <https://doi.org/10.1007/s11082-022-03768-8>
- A. A. El-Deib, H. Abdelhamid, K. El-Shekh, K. ElKhamisy and Z. Memon, "Control of Hydrogen based Virtual Power Plant in Hybrid AC/DC Microgrids," 2023 IEEE Conference on Power Electronics and Renewable Energy (CPERE), Luxor, Egypt, 2023, pp. 1-8, doi: 10.1109/CPERE56564.2023.10119594.
- ElKhamisy, K., Abdelhamid, H., El-Rabaie, ES.M. et al. A Comprehensive Survey of Silicon Thin-film Solar Cell: Challenges and Novel Trends. *Plasmonics* (2023). <https://doi.org/10.1007/s11468-023-01905-x>
- H. S. Zied, E. -S. M. El-Rabaie and K. ElKhamisy, "Review: Pencil- on-Paper Electronics Devices Applications / Challenges," 2023 International Telecommunications Conference (ITC-Egypt), Alexandria, Egypt, 2023, pp. 637-642, doi: 10.1109/ITC-Egypt58155.2023.10206424.

8. Scientific and professional societies of which a member

- Egyptian Engineers Syndicate
- Society of Egyptian engineer

9. Honors and awards:

- None

10. Institutional & professional service in last 5 years:

- None

11. Professional Development Activities in the last 5 years:

- Attendance a training course entitled “Education Programs and Courses Specifications and Evaluating of Learning Outcomes for H.E. Institutes” National Authority for Quality Assurance and Accreditation in Education, 2016.
- Attendance a training course entitled “Exams and Students Evaluation System” Faculty and Leadership Development Center, 2020.
- Attendance a training course entitled “International Publishing of Scientific Research” Faculty and Leadership Development Center, 2021.