

1. Name: Ahmed Mohamed Hassan Hassanin, Assistant Professor, Department of Electrical Power and Machines, Engineering, Higher Institute of Engineering, Elshorouk Academy.

2. Degrees:

- B.S. (Electrical Engineering, Electrical Power and Machines Engineering) Faculty of Engineering at Shoubra - Benha University, Cairo, Egypt. 2002
- M.S. (Electrical Engineering, Electrical Machines and Electrical Drives Systems) Faculty of Engineering at Shoubra - Benha University, Cairo, Egypt. 2008
- Ph.D. (Electrical Engineering, Electrical Machines and Electrical Drives Systems) Faculty of Engineering at Shoubra - Benha University, Cairo, Egypt. 2013

3. Years of Service on Faculty: 5

- 2019 – Present: Assistant Professor.

4. Other Experience:

- 2003-2007– Administrator at Faculty of Engineering at Shoubra - Benha University, Cairo Egypt.
- 2008-2012: Assistance Lecturer at Faculty of Engineering at Shoubra - Benha University, Cairo Egypt.
- 2013-2019: Assistance Professor at Faculty of Engineering at Shoubra - Benha University, Cairo Egypt.

6. States in which registered:

- Cairo, Egypt.

7. Principal publications

1. Ibrahim A. M. Abdel-Halim, Hamed G. Hamed and Ahmed M. Hassan "Steady state performance of a directly connected PV array/six step VSI/induction motor system", General Physics and Electrical Application, Vol. 38, No. 4, 2010.
2. Ibrahim A. M. Abdel-Halim, Hamed G. Hamed and Ahmed M. Hassan, "Modeling and Simulation of a Self-Excited Induction Generator / Inductive Load System", International Journal of Electrical and Power Engineering, Vol. 5, No. 2, 2011.
3. Ibrahim A. M. Abdel-Halim, Hamed G. Hamed and Ahmed M. Hassan, "Modeling and Simulation of a Matrix Converter / Inductive Load System", International Journal of Electrical and Power Engineering, Vol. 5, No. 2, 2011.
4. Ibrahim A. M. Abdel-Halim, Hamed G. Hamed, Mohamed E. Elfaraskoury and Ahmed M. Hassan, "Modeling and Simulation of a Matrix Converter/Induction Motor System", International Journal of Electrical and Power Engineering, Vol. 5, No. 2, 2011.
5. Ibrahim A. M. Abdel-Halim, Hamed G. Hamed, Mohamed E. Elfaraskoury and Ahmed M. Hassan " An Equivalent Circuit of A matrix Converter with Passive or Active Loads", Journal of Electrical Engineering, Vol. 15, No. 1, 2015.
6. Ibrahim A. M. Abdel-Halim, Mahmoud A. Al-Ahmer and Ahmed M. Hassan " Exact Analytical Solution of the Currents of a Three-phase Six-Step Inverter / Three-Phase Induction Motor System ", Journal of Electrical Engineering, Vol. 21, No. 2, 2021.
7. Ahmed M. Hassan, Abd El-Wahab Hassan, Z. M. S. Elbarbary, Saad F. Al-Gahtani, Ahmed I. Omar, Mohamed Eladly Metwally, "MPPT control of a solar pumping system based five-phase impedance source inverter fed induction motor", PLoS ONE, Vol. 19, No. 1, pp. 1-24, January, 2024.