

1. Name: Mohamed Gamal Ashmawy, Associate Professor, Department of Electrical power and machines engineering, Higher Institute of Engineering, Elshorouk Academy.

2. Degrees:

2005 Ph.D. Electrical Power Machines Engineering -Faculty of Engineering -Cairo University

1990 M.Sc. Electrical Power Machines Engineering- Faculty of Engineering- Cairo University

1984 B.Sc. Electrical Power Machines Engineering –Faculty of Engineering- Azhar University

- Associate Professor in Electrical Power and Machines Engineering, Supreme Council of Universities 2019

3. Years of Service on Faculty: 24

- 05/2000 – present
- Associate Professor.

4. Other Experience:

- Member of Arab Union For Sustainable Development And Environment present
- Member of the advisory committee for selecting consulting engineers at the Engineers Syndicate
- Training expert and international researcher in the field of electrical engineering and new and renewable energy
- Member of the Society of University Engineers

5. Consulting Activities (selected)

- Expert (Consultant A) of the General Authority for Urban Planning
Consultant to the Urban Communities Authority (Ministry of Housing and Construction)
- Founding member and head of the Specialized Consulting B (S.C.B) office

6. States in which registered:

- Cairo, Egypt.

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

- 1- Ahmed S. Menesy, Hamdy M.Sultan, Ali Selim, Mohamed G Ashmawy, Salah Kamel (Developing and Applying Chaotic Harris Hawks Optimization Technique for Extracting Parameters of Several Proton Exchange Membrane Fuel Cell Stacks) IEEE Access “vol. 8, pp. 1146-1159, 2020”
- 2- Ahmed S.Menesy,Hamdy M.Sultan, Ahmed Korashy,FahdA.Banakhr.(member,ieee),Mohamed G.Ashmawy,Salah Kamel (Effective Parameter Extraction of Different Polymer Electrolyte Membrane Fuel Cell Stack Models Using a Modified Artificial Ecosystem Optimization Algorithm) IEEE Access” vol. 8, pp. 31892-31909, 2020”
- 3- Ashraf Mohamed Hemeida, Mohamed M. Hamada, Youssef A. Mobarak, A. El-Bahnasawy, Mohamed G. Ashmawy, Tomonobu Senjyu) TCSC with auxiliary controls-based voltage and reactive power controls on grid power system) Ain Shams Engineering Journal “<https://doi.org/10.1016/j.asej.2019.10.015> 2090-4479/_ 2019”
- 4- Wael S. Hassanein1, Marwa M. Ahmed, M. Osama abed el-Raouf 3, Mohamed G. Ashmawy, Mohamed I. Mosaad (Performance Improvement of Off-grid Hybrid Renewable Energy System Using Dynamic Voltage Restorer) Alexandria Engineering Journal accepted for publication March 28, 2020)
- 5- Ibrahim B.M,Taha ,Mohamed I,Mosaad Mohamed G. Ashmawy(Incorporating inductor-capacitor branch for thyristor-based DC fault current interruption) International Transactions on Electrical Energy Systems 20 Jan 2020 Wiley “ <https://doi.org/10.1002/2050-7038.12197> the full text Volume30, Issue2 February 2020 e12197”

8. Scientific and professional societies of which a member

- Egyptian Engineers Syndicate, and Egyptian Society of Engineers.
- Academic and research activity

1) Supervisor of the following MSCs:

- Modeling and simulation of photovoltaic system”
- Electrical Load Management using artificial intelligent Demand response program).
- Improvement of power quality of wind energy grid connected power system
- Enhancing distribution system performance using Distributed Generation (DG).
- Modeling of switching Reluctance generator of wind energy
- Modeling of substation grounding systems with advanced methods
- Improvement the performance and quality of medium voltage

9. Honors and awards:

- Benefit from my research at the United Nations with many views.

10. Institutional & professional service in last 5 years:

- **Member of the environment and community service committee**, Higher Institute of Engineering, Elshorouk Academy

11. Professional Development Activities in the last 5 years:

- Attending many meetings, events, and conferences related to the field of electrical power & renewable energy and safety