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BSc, Electrical Engineering Department, Assiut University, Egypt (1987-1992)
MSc Electrical Engineering Department, Assiut University, Egypt (1992-1996)
Ph.D. Electrical Engineering Department, Yeungnam University, South Korea(2003-2007)

Academic experience:

- Department of Electrical Engineering, Majmaah University, KSA 2012-2021.
- Electrical Engineering Department, Assiut University, Egypt from 2010-2012.
- Korea Institute of Energy Research KIER, South Korea 2008-2010.
- Renselaeer Polytechnic Institute 2007-2008.

Service and Career Development:

- Member of High Quality Committee, College of Engineering, Majmaah University, 2013~2015.
- Chairman of Electrical Engineering department, College of Engineering, Majmaah University, 2013~2015.
- Executive Director of Bridging Program, Electrical Engineering department, College of Engineering, Majmaah University, 2015~2021.
- Head of e-learning unit in College of Engineering, Majmaah University, 2015~2021.
- Member of Curriculum Planning Committee for Electrical Engineering department, College of Engineering, Majmaah University, 2017~2021.

Membership of Professional Associations

- Editorial Board of KPE Journal of Korean Power Electronics, Since 2006.
- Editorial Board, Journal of Applied Science and Engineering, Faculty of Energy Engineering, Assiut University.
- Scientific Committee for Promotion of Associate Professors, Majmaah University 2016~2021.

- IEEE-Member of Power Electronics Society.
- IEEE-Member of Power and Energy Systems Society.

Scholarly Activities

Reviewer (Transactions/Journals)

- IEEE Transactions on Power Electronics
- IEEE Transactions on Industrial Electronics
- IEEE Access
- Journal of IET Renewable Power Generation
- Journal of IET Power Electronics

Awards & Funds

- Ph. D. Scholarship from Korea Science and Engineering Foundation, KOSEF, 2003-2007.
- Research funding 100000 US$, Korea research Foundation KRF, 2004.
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- Research funding from Ministry of Education, Institutional fund, 2020~2021.

Related Publications:

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performance of solar distillation systems-A comprehensive review, Solar Energy, Volume 218, 2021, Pages 596-610.

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3. Ahmed G Abo-Khalil, Ali S. Alghamdi, “MPPT of Permanent Magnet Synchronous Generator in Tidal Energy Systems Using Support Vector Regression,” Sustainability 13 (4), 2021.

4. Ahmed G Abo-Khalil, Walied Alharbi, Abd-Elrahman Al-Qawasmi, Mohamed Alobaid, Ibrahim Alarifi “Maximum Power Point Tracking of PV Systems under Partial Shading Conditions Based on Opposition-Based Learning Firefly Algorithm,” Sustainability 13 (5), 2021.
5. Ahmed G Abo-Khalil, Ali M. Eltamaly, Mamdooh S. Alsaud, K. Sayed, Ali S. Alghamdi, “Sensorless control for PMSM using model reference adaptive system,” International Transaction on Electrical Energy Systems, 2021; https://doi.org/10.1002/2050-7038.12733
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50. **Ahmed G. Abo-Khalil** and Byunggyu Yu, "A Current Sensor-less Maximum

Power Point Tracking Method for PV System," International Journal of Advancements in Computing Technology (IJACT), Volume 5, Number 11, July 2013, doi : 10.4156/ijact.vol5.issue11.42.

51. **Ahmed G. Abo-Khalil** and Hammad Ab-Zied, " Design and Control of Large Scale Photovoltaic System for High Power applications," International Journal of Control, Automation and Systems, Vol. 1, No. 2, April 2013.
52. **Ahmed G. Abo-Khalil** " Current Injection-Based DC-link Capacitacne Estimation Using Support Vector Regression " IET Journal of Power Electronics, Vol. 5, No. 1, Jan. 2012, PP. 53-58. Impact Factor : 2.839.
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59. Ahmed G. Abo-Khalil, D. C. Lee," Optimal efficiency control of induction generators in wind energy conversion systems using support vector regression," Journal of Power Electronics, vol. 8, No. 4, pp. 345-353, Oct. 2008.

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2. The Annual Meeting of the International Nuclear Security Education Network, Vienna, Austria, July, 9-13, 2018.
3. The 2018 International Conference on Innovative Trends in Computer Engineering , Faculty of Engineering, Aswan University, Aswan, Egypt, Feb,19-21,2018.
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6. The 1st International Conference on "Women in Sciences", March, 21-23, 2017.
7. The International Conference on Oil Shale and Unconventional Energy Resources for Sustainable Development in Africa", March, 5-9, 2017, Famenco Resort, Quseir, Egypt.
8. The 18th International Middle East Power Conference, Helwan University, Cairo,

Egypt, 27-29 Dec., 2016.
9. 1st Int. Conf. on New Energy and Environment Engineering, Future University, Cairo, Egypt, 11-14, April, 2016.

10. The 17th Middle East International Power Conference, Faculty of Engineering, Mansoura University, Egypt, 15-17, December, 2015.
11. IEEE int. Conf. on Fuzzy Systems, Istanbul, 2-5, August, 2015.
12. Int. conf. on Artificial Intelligence, Electrical and Electronics Engineering, (AIEE'15), May, 13-14, 2015, Kuala Lumpur, Malaysia.
13. Asia Pacific Conference on Electrical Engineering and Computer Science, Kuala Lumpur, Malaysia, Nov.,7-9,2014.
14. The 112th International Middle East Power Conference, South Valley University, Aswan, Egypt, 12-15 March, 2008.
15. IEEE 7th International conference on Intelligent Systems Engineering Systems, INES Assiut, Luxor, Egypt, March 4-6, 2003.