Name: Amir Abdel Menaem
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DEGREES

- July 2021 PhD. in Electrical Engineering, Ural Federal University, Russia, Thesis title is " Improving Evaluation Methods of Adequacy for Renewable Energy Integrated Power Systems ".
- May.2014. M.Sc. in Electrical Engineering, Mansoura University, Egypt, Thesis title is " PERFORMANCE OF AN INDUCTION MOTOR DRIVED BY AN AC VOLTAGE CONTROLLER".
- June.2008. B.Sc. in Electrical Engineering with Highest Distinction with honor, Mansoura University, Egypt. Graduation project title is "Impact of Distributed Generation on Power Quality of Distribution Networks" with grade "Excellent.

ACADEMIC AND INDUSTRIAL POSITIONS

- **June 2021- present, Lecturer at the department of Electrical Engineering, Mansoura University, Egypt.**
- **October 2016- June 2021, PhD researcher at Automated Electrical Systems Department, Ural Power Engineering Institute, Ural Federal University, Russian Federation**
- **May.2014 – October 2016, Assistant Lecturer at the department of Electrical Engineering, Mansoura University, Egypt.**

Responsibilities:

- Assisting in teaching for undergraduates in power system classes, power electronics labs, and electric machines labs.

- **March.2009– 2014, Demonstrator at Electrical Engineering department, Mansoura University, Egypt.**

Responsibilities:

- Assisting in teaching for undergraduates in power system classes, power electronics labs, and electric machines labs.

Research Interests

1. Power Electronics.
2. operation of smart grid
3. Distributed Generation
4. Power System Analysis.
5. Renewable Energy.

6. Power System Reliability Evaluation.
7. Electric Vehicle.

PUBLICATIONS

1) Amir Abdel Menaem, Abdel Rahman Amin and Ahmed Farahat "A three-phase induction motor performance under different loading types supplied from balanced and unbalanced Thyristorized supply voltage" Mansoura Journal, Vol. 38, No 2, June 2013.
2) Amir Abdel Menaem, Abdel Rahman Amin and Ahmed Farahat " A proposed soft starting strategy for three-phase induction motor using ANN" IEEE, 16th International Middle East Power System Conference (MEPCON 2014), Ain Shams University, Cairo, Egypt, 23-25 December 2014.
3) Mahmoud Aref, Amir Abdel Meneam, Vladislav Oboskalov and Anatolijs Mahnitko, "Transient analysis of AC and DC microgrid with effective of SFCL", 2018 IEEE 59th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON 2018), Latvia, Riga, 12-14 November 2018., pp.1-6.
4) Amir Abdel Meneam, and Vladislav Oboskalov, "Integration of renewable energy sources into microgrid considering operational and planning uncertainties" EMMFT 2018, Volume 982 of the Advances in Intelligent Systems and Computing series, Springer.
5) Vladislav Oboskalov, Anatolijs Mahnitko, Renata Varfolomejeva, Amir Abdel Meneam, and Rustam Valiev, "Mathematical methods for probabilistic estimation of power shortage in concentrated electric power systems" Proceedings of the 10th International Scientific Symposium on Electrical Power Engineering, ELEKTROENERGETIKA, 128-132, 2019.
6) V. P. Oboskalov, A. Abdel Menaem, A.V. Kirpikov, "Оценка вероятностных параметров дефицита мощности в концентриро-ванной ЭЭС" (Estimation of probabilistic parameters of power shortage in a concentrated power systems) Изв. РАН -Энергетика, 2019.
7) Amir Abdel Meneam, Vladislav Oboskalov, Anatolijs Mahnitko, and Renata Varfolomejeva "Optimal integration of renewable power into distribution network based probabilistic bus voltage-feeder current uncertainty analysis" IEEE, 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University, 2019.
8) Amir Abdel Meneam, and Vladislav Oboskalov, "Comparing three methods for solving probabilistic multi-area load shedding distribution" International Conference on Industrial Engineering, Applications and Manufacturing (ICIEAM 2020), 19-22 May 2020, Sochi, Russian Federation.
9) Mohamed Elgamal, Nikolay Korovkin, Akram Elmitwally, Amir Abdel Meneam, and Zhe Chen "A framework for profit maximization in a grid-connected microgrid with hybrid resources using a novel rule base-bat algorithm" IEEE Access 8(1):71460-71474, April 2020.
10) Mahmoud Hamouda, Amir Abdel Meneam, Hegazy Rezk, Mohamed Nabil, and Laszlo Szamel "Numerical estimation of switched reluctance motor excitation parameters based on a simplified structure average torque control strategy for electric vehicles" Mathematics 2020, 8(8), 1213.
11) Vladislav Oboskalov, and Amir Abdel Menaem "Определение показателей балансовой надежности ОЭС методами точечной оценки" Известия Российской академии наук. Энергетика. 2020, Т. 6, стр. 40-53.
12) Mahmoud Hamouda, Amir Abdel Meneam, Hegazy Rezk, Mohamed Nabil, and Laszlo Szamel "An improved indirect instantaneous torque control strategy of switched reluctance motor drives for light electric vehicles" Energy Reports, 2020, 6, pp. 709–715.
13) Amir Abdel Meneam, Rustam Valiev, Vladislav Oboskalov, Taher Hassan, Hegazy Rezk, and Mohamed Nabil "An efficient framework for adequacy evaluation through extraction of rare load curtailment events in composite power systems" Mathematics, 2020, 8(11), pp. 1–21.
14) Taher Hassan, Y. Sun, and Amir Abdel Menaem "Improved oscillation results for functional nonlinear dynamic equations of second order" Mathematics, 2020, 8(11), pp. 1–19.

15) Amir Abdel Meneam, Mohamed Elgamal, Emad Mahmoud, Abdel-Halim Abdel-Aty, Zhe Chen, and Mohammed Hassan “A proposed ANN-based acceleration control scheme for soft starting induction motor” IEEE Access, 2020.
16) Vladislav Oboskalov, and Amir Abdel Menaem “Моделирование редких событий при расчете показателей балансовой надежности ээс” 2021, Известия Российской академии наук. Энергетика. 4, p. 24-41.
17) Taher Hassan, Ramy El-Nabulsi, Amir Abdel Menaem “Amended criteria of oscillation for nonlinear functional dynamic equations of second-order” Mathematics, 2021, 9(11), 1191.
18) Mahmoud Hamouda, Amir Abdel Meneam, Hegazy Rezk, Mohamed Nabil, and Laszlo Szamel “Comparative evaluation for an improved direct instantaneous torque control strategy of switched reluctance motor drives for electric vehicles” Mathematics, 2021, 9(4), pp. 1–17, 302.
19) Mohamed Elgamal, Nikolay Korovkin, Amir Abdel Meneam, and Akram Elmitwally “Day-ahead complex power scheduling in a reconfigurable hybrid-energy islanded microgrid with responsive demand considering uncertainty and different load models” Applied Energy, Volume 309, March 2022.