

## **PERSONAL DATA**

**Name** : Elham Mohamed Tantawy.  
**Nationality** : Egyptian  
**Date of Birth** : 30/4/1988.  
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**Social Status** : Married



## **CERTIFICATIONS**

- B.Sc. Degree in Engineering (Electrical Power and Machines Department), June 2010, with general cumulative grade: **very good (76.18%)**, Mansoura University. Graduation project: **The Use of Solar Cell Electricity Systems in Remote Villages (Design of Lighting and Pumping Systems)** with grade **Excellent**.
- M.Sc. Degree in Engineering (Electrical Power and Machines Department), Mansoura university 2013, Electrical Engineering Department.  
Title of research: “**Study of Current Interruption Phenomena**”.
- Ph.D. Degree in Engineering (Electrical Power and Machines Department), Mansoura university 2023, Electrical Engineering Department.  
Title of research: “**Technical and Economical Assessment of Voltage Problems in Grid Connected Distributed Generation**”.

## **PROFFETIONAL EXPERIENCE**

- Research Assistant at the Electrical and Machines Department in Mansoura university from 2010 to 2013.
- Currently, assisting in teaching the project course in Electrical and Machines Department in Mansoura university.

## **COMPUTER SKILLS**

- Microsoft Windows and Microsoft Office.
- ATP program (lab teaching, implementing the program in short circuit analysis).
- Programming using MATLAB (Lab teaching, implementing the language to modeling of power system components, power system harmonic analysis, stability analysis, power quality, load flow analysis, and protection system).
- PSCAD program (implementing the program in power system analysis).
- AUTOCAD program (Design electric systems).
- ETAP power flow analysis

## **PUBLICATIONS**

- [1] E. M. Tantawy, E. A. Badran, and M. H. Abdel-Rahman, "Interruption Current Transients in Electrical Power Systems" ZEC Conference, 2012.
- [2] E. M. Tantawy, E. A. Badran, and M. H. Abdel-Rahman, "Investigation of Electromagnetic Transients in Electric Power Systems.", JAUES Journal of Al-Azhar University Engineering Sector, vol. 7, Issue 25, October 2012,
- [3] E. M. Tantawy, E. A. Badran, and M. H. Abdel-Rahman, "Investigation of Electromagnetic Transients in Electric Power Systems.", MEJ. Mansoura Engineering Journal, vol.38, Issue 2, pp 40-49, June 2013.
- [4] E. M. Tantawy, E. A. Badran, and M. H. Abdel-Rahman, "Techno-Economic Assessment of Voltage Sags Mitigation in Distribution System Connected to DGs", International Transactions on Electrical Energy Systems, Aug. 2022.
- [5] E. M. Tantawy, E. A. Badran, and M. H. Abdel-Rahman, "Feasibility Study for STATCOM's Capacitor Selection for Voltage Sag Mitigation", MEJ Mansoura Engineering Journal, vol.47, issue 5, October 2022.
- [6] E. M. Tantawy, E. A. Badran, and M. H. Abdel-Rahman, "Technical and Economical Evaluation for Electrical Distribution Networks with DGs.", MEPCON's Conference 2022.