

# Curriculum Vitae

## Personal information

Name / Surname	<b>Ahmed M. Elkholy</b>
Address	Tanta, Egypt
Telephone	(+20) 1062427898 (Mobile), (+7) 9967167257 (Home)
Personal Email	ahmed_elkholy@f-eng.tanta.edu.eg, ahm_elkholy@outlook.com
Home page	<a href="https://ahmelkholy.github.io/">https://ahmelkholy.github.io/</a>
Nationality	Egyptian
Date of birth	01/09/1992

## Work Experience

01/07/2019 – CURRENT	<p>Tanta, Egypt</p> <p>Assistant Lecturer, Faculty of Engineering, Tanta University</p> <p>To support the design, development, and production of learning and teaching material and deliver either across a range of modules or within a subject area. Ensure the efficient delivery of teaching programs in accordance with the University's strategy, policy, and procedures.</p>
03/2016 – 07/2019	<p>Tanta, Egypt</p> <p>Demonstrator, Faculty of Engineering, Tanta University</p> <p>Objectives:</p> <ul style="list-style-type: none"><li>- To assist/give guidance, where required, to students who are carrying out practical exercises, etc.</li><li>- To be aware of any health and safety implications of procedures, and take action to maintain a safe environment, raising any concerns with the course organizer/work supervisor.</li><li>- Provide feedback on student performance and any issues arising in the course of the demonstration, to the course organizer/work supervisor.</li><li>- To assist in marking student tests set by the course organizer using defined marking criteria where marking requires little or no interpretation.</li><li>- To ensure that equipment is functional and/or material for demonstrations, exercises, etc is prepared before the start of the session.</li></ul>

19/10/2020 – CURRENT	<p>Moscow, Russia</p> <p>Ph.D. Candidate, National Research University "Moscow Power Engineering Institute"</p>
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## Education and Training

08/2009 – 06/2014	<p>Tanta, Egypt</p> <p>Bachelor of Science (B.Sc.), Faculty of Engineering, Tanta University</p>
01/2016 – 05/2019	<p>Tanta, Egypt</p> <p>Master of Science (M.Sc.), Faculty of Engineering, Tanta University</p>
19/10/2021 – CURRENT	<p>Moscow, Russia</p> <p>Philosophy of Science (Ph.D.), National Research University "Moscow Power Engineering Institute"</p>
01/02/2019 – 19/02/2019	<p>Tanta, Egypt</p> <p>Certificated Courses from Faculty &amp; Leadership Development Center, Tanta University</p>

	<ul style="list-style-type: none"><li>- Disaster and Crises Management from 2 to 4 February 2019</li><li>- Preparing a Competitive Research Project from 5 to 7 February 2019</li><li>- Effective Presentation Skills from 9 to 11 February 2019</li><li>- Use of Technology in Teaching from 12 to 14 February 2019</li><li>- Time and Conference Management from 16 to 18 February 2019</li><li>- Quality Standards in Teaching from 9 to 11 April 2019</li></ul>															
14/08/2019 – 24/10/2019	Online Programming for Data Science for Enterprise Nanodegree Program, Udacity Learning SQL Database, Python, Git, and Github															
2015 – CURRENT	International Conferences Actively participated as an author or audience in different international conferences.															
2011 – CURRENT	Other Certificates <ul style="list-style-type: none"><li>- ICDL - Ministry of Communications and Information Technology (MCIT), Egypt - January 2012</li><li>- Programmable Logic Controller - Jelecom - May 2013</li><li>- Learn Industrial Automation - Linkedin Learning - December 2019</li><li>- PLC Ladder Logic Essential Training - Linkedin Learning - December 2019</li><li>- Learning PLC Ladder Logic - Linkedin Learning - January 2019</li><li>- IoT Foundations: Standards and Ecosystems - Linkedin Learning - January 2019</li><li>- AutoCAD 2019 Essential Training - Linkedin Learning - January 2019</li><li>- Step-by-Step Guide on How to Prepare a Successful Paper - Workshop at Tanta University - September 2020</li></ul>															
2018	Voluntary Work and Workshops Voluntary Work: <ul style="list-style-type: none"><li>- Active P2P reviewer for scientific paper - The 21st IEEE International Middle East Power Systems Conference (MEPCON'19)</li><li>- Professional conference organizer - The 21st IEEE International Middle East Power Systems Conference (MEPCON'19)</li></ul> Workshops: <ul style="list-style-type: none"><li>- Large Scale Renewable Energy - Tanta University - 22 March 2018</li><li>- Examination systems and student assessment - Tanta University - 2 July 2019</li></ul>															
<b>Language Skills</b>																
Mother Tongue(s)	ARABIC															
Other Language(s)																
	<table><tr><td></td><td>Listening</td><td>Reading</td><td>Spoken Production</td><td>Spoken Interaction</td></tr><tr><td>ENGLISH</td><td>C1</td><td>C2</td><td>B2</td><td>B2</td></tr><tr><td>RUSSIAN</td><td>B1</td><td>A2</td><td>A2</td><td>A2</td></tr></table>		Listening	Reading	Spoken Production	Spoken Interaction	ENGLISH	C1	C2	B2	B2	RUSSIAN	B1	A2	A2	A2
	Listening	Reading	Spoken Production	Spoken Interaction												
ENGLISH	C1	C2	B2	B2												
RUSSIAN	B1	A2	A2	A2												

## Additional Information

### Publications

- A proposed load shedding mechanism for enhancing intentional-islanding dynamics of distribution systems – 2017
- An Advanced Load Shedding Algorithm to Enhance Intentional-Islanding Dynamics – 2018
- ISLANDING SCENARIOS FOR HIGH RELIABLE OPERATION OF DISTRIBUTION NETWORKS – 2020
- General Framework for Intentional Islanding to Enhance Distribution System Performance – 2020
- Performance Enhancement of Wave Energy Converters Integrated with DC Grids Using Energy Storage Systems – 2021
- Hosting Capacity Enhancement Through IoT-based Active Power Curtailment of PV Generation – 2021
- Grid Synchronization Enhancement of Distributed Generators Using an Adaptive Phase-Locked Loop Tuning System – 2022
- The Influence of Transmission-Line Parameters and Its Load on Losses and Power Quality at the Load-Connection Point – 2023
- Evaluation of Zero and Negative Sequence Currents Influence of Asymmetric Load on the Power Losses and Quality in Distribution Networks – 2023
- Identifying the Rating of the Unified Power Controller According to Unbalanced Distribution System Requirements – 2023
- Evaluation of the Influence of AC Voltage Regulators, SVC and Unified Power Controllers on Power Losses and Quality in Unsymmetrical Distribution Systems – 2023

### Networks and Memberships

Egyptian Engineering Syndicate 2014 – Present

## Organisational Skills

### Organisational Skills

- Ability to ensure projects run to schedule and budget and work under pressure
- Ability to work with minimum supervision and with a team
- Creative problem solving and analysis with attention to detail

## Communication and Interpersonal Skills

### Communication and Interpersonal Skills

- Good communication skills gained through my experience as a demonstrator at the Faculty of Engineering
- Excellent contact skills with students gained through my experience as a demonstrator

## Job-Related Skills

### Job-Related Skills

- Developing models for various power system equipment
- Developing and teaching effective tutorials and lab sessions
- Collaboration with professors to set quizzes, assignments, and exams that meet the learning needs and abilities of all students
- Collaboration with professors to prepare lecture notes and PowerPoint presentations
- Guiding and advising students in course/graduation projects

## B.Sc. Degree Thesis

### B.Sc. Degree Thesis

A. M. Elkholy et al, "The Impact of large wind energy penetration on the performance of electric power systems", B.Sc. Graduation Thesis, Department of Electrical Power and Machines Engineering, Faculty of Engineering, Tanta University, Tanta, Egypt, June 2014.

Supervisor: Prof. Ahmed Refat Azmy

Project Grade: Excellent (99%)

## M.Sc. Degree Thesis

### M.Sc. Degree Thesis

A. M. Elkholy et al, "Islanding Scenarios for High Reliable Operation of Distribution Networks", M.Sc. Thesis, Department of Electrical Power and Machines Engineering, Faculty of Engineering, Tanta University, Tanta, Egypt, April 2019.

Supervisor: Prof. Ahmed Refat Azmy and Dr. Hossam Salah

## Academic Referees

Prof. Essam Eddin Mohamed Rashad

Head of Electrical Power and Machines Engineering Department

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Prof. Ahmed Refat Azmy

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Prof. Daa Eldin Abdelsattar Mansour

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Prof. Dmitry I. Panfilov

Professor at Industrial Electronics Department, Moscow Power Engineering Institute, Moscow, Russia

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