

Abdel-Rahman Said Abdel-Rahman, Ph.d
Assistant Professor
Electrical Engineering Department
Faculty of Engineering at shoubra, Benha University

JOB OBJECTIVE

Seeking a position where I can collect between my academic knowledge and industrial life, gaining a higher experience that would develop my knowledge and my technical skills in a higher professional environment.

PERSONAL DATA :

Gender : MALE
Date of Birth : March 9, 1987.
Univ. Website : <http://www.bu.edu.eg/staff/abdelrahmanghoniem3>
Nationality : EGYPTIAN
Address1 : Electrical Power Engineering Department,
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Current Position : Lecturer at Electrical Power Engineering Department, Faculty of Engineering at Shoubra, Benha University.
E-mail : abdelrahman.ghoniem@feng.bu.edu.eg
Phone : Mobile: (+202) 01096374426
Marital Status : Married with 3 Child.
Major Field : Electrical Power Engineering and Machines.
Fine Field : High Voltage Engineering.



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EDUCATION AND OCCUPATION:

Ph.D. : March 2016, in Electrical Engineering, Benha University, Egypt.
Ph.D. Title : Modeling and Analysis of Transient Phenomena Due to Lightning Strike on a Wind Farm and Lightning Hazard Protection
M.Sc. : January 2013, in Electrical Engineering, Benha University, Egypt.
M.Sc. Title : Study of Very Fast Transient Overvoltages Due to Switching Operations in High Voltage Gas Insulated Substations
B.Sc. : May 2009 in Electrical Power Engineering and Machines, with grade Distinction "Excellent with honor ", Benha University, Egypt.
2010– 2013 : Demonstrator at the Faculty of Engineering at Shoubra, Benha university.
2013 – 2016 : Ass. Lecturer at the Faculty of Engineering at Shoubra, Benha University.
2016 – Present : Lecturer at the Faculty of Engineering at Shoubra, Benha University.

TEACHING EXPERIENCE:

Courses : Circuit Breakers and substations, Fourth year Electrical Eng. undergraduate.
: High Voltage Engineering, third year Electrical Eng. undergraduate.
: Computer application in electrical power systems and machines, fourth year Electrical Eng. undergraduate.
: Computer application in Basic electric and electronic circuits, First year Electrical Eng. undergraduate.
: Basic electric and electronic circuits, Second year Surveying Eng. undergraduate.
: Electrical Tests (matlab and fundamental of electrical circuit), First year Electrical Eng. undergraduate.
: High voltage Electrical Tests, Fourth year Electrical Eng. undergraduate.
: Electrical properties of material, First year Electrical Eng. undergraduate.
: Electrical measurements , Second year Electrical Eng. undergraduate.
: Electrical circuit II , Second year Electrical Eng. undergraduate.
: logic design, Higher Technological Institute of Engineering, Tenth of Ramadan City
: Digital , Al-Ameeria Integrated Technical Education Cluster
: High voltage equipment testing , Postgraduate.
: Technical scientific writing , Postgraduate.

RESEARCH INTERESTS:

:High Voltage Technique.
:Electro-magnetic fields.
:Computer Simulation.
:transient on power system
:Renewable energy
:Substation Design
:lightning over voltage
:GIS substations

LANGUAGES:

:Arabic, Native language.
:English, Fluent spoken and written (Passed in the Local TOEFL Test)

COURSES AND COMPUTER SKILLS:

I passed the following courses:

ICDL (2009) Course and Exam (Word, Excel, Power point, Internet, IT, Access, Windows).
Shop drawing (2017) YouTube course.
Etap (2014) YouTube course.
Electrical Distribution self-study.
AutoCAD (2010) at shoubra faculty of engineering.

I have several computer skills, as I got all certificates required to be qualified as Lecturer in the university, also I have a good experience in dealing with:

Operating system (2000, XP, Vista, Win7)
Office; word, excel, Visio and power point; (XP, 2000, 2003, 2007, 2010)
Internet
Matlab
ATP_EMTP
CYMGRID
AI Technique

AWARDS

2020 :Award of excellence in scientific research for international publication from Benha University.
2018 :Award of excellence in scientific research for international publication from Benha University.
2009 :Graduation Award at Egyptian Engineers Syndicate
2009 :Graduation Award for being ranked the second in my class over five years, Faculty of Engineering, Benha University.
2004-2009 :Annual Excellence Award for being ranked the first in my class, Faculty of Engineering, Benha University.

PROFESSIONAL ACTIVITIES

:Supervising 1 M.Sc. graduate students at Benha University.
:Supervising 1 Ph.d. graduate students at Benha University.
:Reviewer at Electric power system Research ,Elsevier.
:Reviewer at International Transactions on Electrical Energy Systems , Wiley.

Publications:

<p>A Said, Ebrahim A. Badran, and M. A. Abd-Allah. "Mitigation of Very Fast Transient Overvoltages at the More Sensitive Points in Gas Insulated Substation." International Journal on Electrical Engineering and Informatics (ijeei) . Volume 4, Number 3, October 2012.</p>
<p>M. A. Abd-Allah, A Said and Ebrahim A Badran." High-Frequency Spectrum Analysis of VFTO Generated inside Gas Insulated Substations." World Academy of Science, Engineering and Technology (79) 2013.</p>
<p>M. A. Abd-Allah, A Said and Ebrahim A Badran. "New Techniques for Disconnecter Switching VFT Mitigation in GIS". International Journal of Electrical and Computer Engineering (IJECE), 4(2), 179-192, 2014.</p>
<p>M. A. Abd-Allah, Mahmoud N. Ali and A. Said, " Towards an Accurate Modeling of Frequency-dependent Wind Farm Components under Transient Conditions", WSEAS Transactions on Power Systems, ISSN / E-ISSN: 1790-5060 / 2224-350X, Volume 9, 2014, Art. #40, pp. 395-407</p>
<p>M. A. Abd-Allah, Mahmoud N. Ali and A. Said, "A Proper Design of Wind Turbine Grounding Systems under Lightning". World Academy of Science, Engineering and Technology, International Science Index 94, International Journal of Electrical, Robotics, Electronics and Communications Engineering (2014), 8(10), 1358 - 1365.</p>
<p>M. A. Abd-Allah, Mahmoud N. Ali and A. Said, " Effective Factors on the Generated Transient Voltage in the Wind Farm due to Lightning", TELKOMNIKA Indonesian Journal of Electrical Engineering Vol. 13, No. 1, January 2015, pp. 42 ~ 56.</p>
<p>M. A. Abd-Allah, A. Said and Mahmoud N. Ali , "Mitigation of Lightning Hazards at the More Sensitive Points in Wind Farms Using Ant-Colony Optimization Technique", International Electrical Engineering Journal (IEEJ), Vol. 6 (2015) No.4, pp. 1856-1868.</p>
<p>M. A. Abd-Allah, A. Said and Mahmoud N. Ali , " A novel lightning protection technique of wind turbine components", The Journal of Engineering , 2015, 6 pp. IET Digital Library, DOI: 10.1049/joe.2015.0175.</p>
<p>A.said, "Analysis of 500 kV OHTL polluted insulator string behavior during lightning strokes" International Journal of Electrical Power & Energy Systems/Volume 95, February 2018, Pages 405-416(elsevier)</p>
<p>Ghoniem, Abdelrahman Said. "Effective Elimination Factors to the Generated Lightning Flashover in High Voltage Transmission Network." International Journal on Electrical Engineering and Informatics 9.3 (2017): 455-468.</p>
<p>Taher, A., Said, A., Eliyan, T., & Hafez, A. (2018, December). Optimum Design of Substation Grounding Grid Based on Grid Balancing Parameters Using Genetic Algorithm. In 2018 Twentieth International Middle East Power Systems Conference (MEPCON) (pp. 352-360). IEEE.</p>
<p>Ghoniem, Abdelrahman Said, Sub-Line Transient Magnetic Fields Calculation Approach for Fault detection, classification and location of High Voltage Transmission Line. International Journal on Electrical Engineering & Informatics, 2019, 11.3.</p>
<p>Said, Abdelrahman, and Zahira Anane. "Corona lightning overvoltage analysis for a 500 kV hybrid line." IET Generation, Transmission & Distribution (2019).</p>
<p>Taher, A., Said, A., Eliyan, T., & Hafez, A. (2020). Analysis and Mitigation of Ground Grid Lightning Potential Rise. Transactions on Electrical and Electronic Materials, 1-10.</p>

REFERENCES

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