


1. PERSONAL INFORMATION			
<b>Name:</b>	Mohamed Fawzi Kotb	<b>Date of Birth:</b>	26 of Dec. 1960
<b>Nationality:</b>	Egyptian	<b>Passport #:</b>	A23176652
<b>Tel No.</b>	<b>Egypt:</b> 00201002415790 (mobile) 0020402240071 (Land Line)		
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2. QUALIFICATIONS		
AWARD(S) ACHIEVED/MAJOR	NAME OF INSTITUTION	ACHIEVEMENT DATE
<b>PHD</b> - Electrical Power and Machines Engineering	Faculty of Engineering, Mansoura University	1999
<b>Master</b> - Electrical Power and Machines Engineering	Faculty of Engineering, Mansoura University	1989
<b>BSC</b> - Electrical Power and Machines Engineering	Faculty of Engineering, Mansoura University	1983

3. EMPLOYMENT HISTORY				
POSITION	EMPLOYER/ COUNTRY	RESPONSIBILITIES (BRIEF)	DATE	
			FROM	TO
Electrical Power And Machine Associate Professor	Mansoura University , Faculty of Engineering, Electric Power And Machine Dep.	- Conducting different electrical courses (Electrical Engineering, Electric machines, Power system analysis,... - Research in the field of Electrical Power Analysis, renewable energy, micro grids and	May, 2014 –	Till now
Electrical Instructor	Howard Finely Al Khaleej , For ADMA Petroleum Co. at Abu Dhabi – UAE	-Training (Basic, On Job Training "OJT", Preparing Material, Reporting , competency assessment,.....)	May 2004 –	May 2014
Electrical Power And Machine Associate Professor/ Consultant and Technical Advisor ( Part Time)	Badr EL Deen Petroleum CO. shared with Shell) Oil and Gas, Egypt	-Leading the electrical maintenance team, work force ,commissioning and handover from Brown and Root co. - Design the preventive maintenance procedures for all equipment in the plant .	2000 -	2004

I would like to highlight that, to enrich the knowledge background and to make use of the theoretical side in my academic career , and by optimizing my available free time; During period from 2000 to 2004 I was occupying two jobs (I was working in a petroleum company as consultant and technical advisor for one week then working in the university for the second week (cyclically) ).

Electrical Power And Machine Associate Professor	Mansoura University , Faculty of Engineering, Electric Power And Machine Dep.	- Conducting different electrical courses (Electrical Engineering, Electric machines, Power system analysis.	1999 -	2004
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Electrical Power And Machine Assistant Lecturer	Mansoura University , Faculty of Engineering, Electric Power And Machine Dep.	- Conducting different electrical Exercises (Electrical Engineering, Electric machines, Power system analysis.	1993 - 1999
Electrical maint. Engineer and Electrical supervisor	Khalda Petroleum oil and gas Co. at Egypt	- Leading the electrical maintenance team - Plan the commissioning and handover for the new Projects - Review and recommend the maintenance strategies for the plant - Supervise the implementation of preventive maintenance , safety policy and procedure regarding the electrical maintenance activities(High and Low Voltage )	1987 - 1993
Maintenance Engineer	Central Workshop of the Land Reclamation	- Maintenance for control circuits of motors and submersible pump - Designing and constructing new control circuit	1986 - 1987
Maintenance Engineer	Egyptian Air Force in Main Computer Center Power Supply. Egypt	- Maintenance and operating the uninterruptible power supply (UPS)., control circuits, feeding transformers ,generators , and automatic transfer switches	1984 – 1986

#### 4. Published Papers:

1. Mohamed F. Kotb, Attia A. El-Fergany, Eid Abdelbaki Gouda, “Dynamic Performance Evaluation of Photovoltaic Three-Diode Model-Based Rung-Kutta Optimizer”, IEEE Access, 2022, 10, doi: 10.1109/ACCESS.2022.3165035.
2. Mohamed F. Kotb, Sherif S.M. Ghoneim , Hany M. Hasanien , Mosleh M. Alharthi1 and Attia A. El-Fergany, “Cost Minimizations and Performance Enhancements of Power Systems Using Spherical Prune Differential Evolution Algorithm Including Modal Analysis”, Sustainability, 2021,13,8113, <https://doi.org/10.3390/su13148113>
3. Mohamed F. Kotb, Eid A. Gouda , Sherirf S. M. Ghoneim, Mosleh M. AL-Harathi, Attia A. El-Fergany,” Performance Assessment of Solar Generating Units Based on Coot Bird Metaheuristic Optimizer”, IEEE Access, 2021, 09, 111616– 111632, <https://doi: 10.1109/ACCESS.2021.3103146>
4. Mohamed F. Kotb, Eid A. Gouda , Attia A. El-Fergany,” Investigating dynamic performances of fuel cells using pathfinder algorithm”, Energy Conversion and Management, 2021, 237, <https://doi.org/10.1016/j.enconman.2021.114099>
5. Mohamed F. Kotb, Eid A. Gouda , Attia A. El-Fergany, “Jellyfish search algorithm for extracting unknown parameters of PEM fuel cell models: Steady-state performance and analysis”, Energy,2021, 221 <https://doi.org/10.1016/j.energy.2021.119836>
6. Mohamed F. Kotb and Attia A. El-Fergany,“ Effective methodology based on neural network optimizer for extracting model parameters of PEM fuel cells”, International Journal of Energy Research, 30<sup>th</sup> of July, 2019, DOI: 10.1002/er.4809.
7. Mohamed. F. Kotb, Magdi El-Saadawi and Eman H. El-Desouky, “Over Current Protection Relay Based Arduino Uno for FREEDM System” , International Transactions

- on Electrical Energy Systems (ITEES) Journal, 2019 , DOI: 10.1002/2050-7038.12017.
8. Mohamed F. Kotb and Attia A. El-Fergany, "Optimal Power Flow Solution Using Moth Swarm Optimizer Considering Generating Units Prohibited Zones and Valve Ripples", Journal of Electrical Engineering & Technology (JEET), published on line 19<sup>th</sup> of March 2019, DOI: 10.1007/s42835-019- 00144-7.
  9. Mohamed. F. Kotb, Eid A. Gouda, Dina A. Elalfy,"Modelling and Performance Analysis for a PV System Based MPPT Using Advanced Techniques", EJECE, European Journal of Electrical and Computer Engineering, 2018.
  10. Mohamed. F. Kotb, Magdi El-Saadawi and Eman H. El-Desouky "Design of Over/Under Voltage Protection Relay using Arduino Uno for FREEDM System", EJECE, European Journal of Electrical and Computer Engineering, Vol. 2, No. 7, Nov., 2018.
  11. Mohamed. F. Kotb, Magdi El-Saadawi and Eman H. El-Desouky, "Over Current Protection Relay using Arduino Uno for Future Renewable Electric Energy Delivery and Management (FREEDM) System", EJECE, European Journal of Electrical and Computer Engineering, Vol. 2, No. 5, August 2018.
  12. Mohamed F. Kotb and Tamer F. Megahed "Modified DFIG/PV Plus Storage Units Modeling and Control Based on DFIG Sub-/Super-synchronous Modes",Springer- Iranian Journal of Science and Technology, Transactions of Electrical Engineering, 12 June 2018, DOI 10.1007/s40998-018-0076-2
  13. Mohamed. F. Kotb, Magdi El-Saadawi and Eman H. El-Desouky "Protection Coordination Optimization for Future Renewable Electric Energy Delivery and Management (FREEDM) System" Journal of Electrical Engineering, USA, March 21, 2018.
  14. M.F. Kotb and A. Y. Hatata "Performance Analysis for Laboratory-Scale Microgrid using Experimental Testing and MPSO Technique" in Proc. the 17<sup>th</sup> International Middle East Power Systems Conf., MEPCON 2017, Cairo, Egypt, 19-21 December 2017, DOI: 10.1109/MEPCON.2017.8301292, IEEE Xplore: 27 February 2018.
  15. M.F. Kotb, S.S. Kaddah, K.M. Shebl and M.T. Elsedek "New Integrated Sectionalizing Approach for Power System Restoration Planning Based On PMUs " in Proc. the 17thInternational Middle East Power Systems Conf., MEPCON 2015, Mansoura University, Mansoura, EGYPT, December 15-17, 2015.
  16. M.F. Kotb, S.S. Kaddah, K.M. Shebl and M.T. Elsedek, "New Approach for Optimal Path Identification for Power System Restoration Based On PMUs " in Proc. the 17thInternational Middle East Power Systems Conf., MEPCON 2015, Mansoura University, Mansoura, EGYPT, December 15- 17, 2015
  17. M.F. Kotb, S.S. Kaddah, K.M. Shebl and M.T. Elsedek, "Online Stability Analysis during Power System Restoration Based on Phasor Measurement Units " in Proc. in Mansoura Engineering Journal, Vol.40, No.4, December, 2015.
  18. M.F. Kotb, "Impact of DGs on Protection Coordination and Reassessment of its Optimum Siting and Sizing" in Proc. Int. Middle East Power Systems Conf. MEPECON 2014.
  19. M.F.Kotb, "Distributed Generators Location and Capacity Effect on Voltage Profile Improvement and Power Losses Reduction Using Genetic Algorithm" is published in Journal of Energy and Power Engineering 6 (2012) 446-455- David Publishing- ISSN 1934-8975, USA.
  20. M.F. Kotb, A. El-Fergany "Optimal Generation Scheduling using Genetic Algorithm" in

Proc. International Journal of Electrical, Electronics and Computer Systems (IJEECS).  
September 2011, Vol: 4 Issue: 1.

21. M. F. Kotb and A. El-Fergany, "Optimal Generation Scheduling using Genetic Algorithm" is published on September 2011 in (IJEECS) International Journal of Electrical, Electronics and Computer Systems. Vol: 4 Issue: 1.
22. M.F.Kotb, K.M.Shebl , M. El Khazendar and A. El Husseiny "Optimum Siting and Sizing of Distributed Generation Using Traditional Method", Mansoura University conference March 2010.
23. M.F.Kotb, "Maintenance Scheduling Of Generating Units In Electric Power System" in International Middle East Power Systems Conference "Mepecon" 2008,
24. M.F.Kotb, M.S.Kandil ,K.M.Shebl, K.Yassin, "Expert System For Electric Power System Restoration" in International Middle East Power Systems Conference" Mepecon'2000
25. M.F.Kotb, M.S.Kandil ,K.M.Shebl, K.Yassin, "Power System Restoration Methodology With Particular Reference To Island Detection "International Middle East Power Systems Conference" Mepecon 1998,

## 5.SUMMARY OF EXPERIENCE

<b>Best Area Of Specialty</b>	- Electric Power System Analysis - Engineering, Design, Planning and operation for electrical networks - Maintenance and fault diagnosis
<b>Work Experience Within University</b>	-14 years in the field of Electrical Engineering Teaching and research.
<b>Work Experience Within The 'Oil Gas Industry'</b>	- 7 Years as Electrical maintenance Engineer and Electrical supervisor (Khalda oil and Gas Petroleum Co. Egypt) - 4 Years Consultant and Technical Advisor ( Bader Al Deen
<b>Deliverance Of Training Within The Oil Gas Industry In The Middle-East/GCC Countries</b>	- 10 years Electrical Instructor (ADMA- Oil and Gas Co. UAE) - More than 150 courses in House and public courses for different O& G companies as free lancer.

**6. Training Programmers Delivered for ADMA-OPCO (Abu Dhabi, UAE) since 2004 to 2014**

No.	Course Title	Duration "days"	Frequency	No.	Course Title	Duration "days"	Frequency
1	<i>Fundamentals of Electricity-01</i>	3	12	10	<i>Electric Measurements</i>	5	12
2	<i>Fundamentals of Electricity-3</i>	3	12	11	<i>Electrical Protection</i>	7	13
3	<i>Fundamentals of Electricity-02</i>	3	12	12	<i>Electric Equipment in Hazardous Area</i>	5	13
4	<i>Electrical power systems</i>	7	11	13	<i>Electric Control Devices</i>	4	13

5	<i>AC Generators</i>	7	11	14	<i>Batteries and Chargers</i>	7	11
6	<i>AC Motors</i>	5	11	15	<i>Electrical safety</i>	5	13
7	<i>Transformers</i>	5	12	16	<i>Programmable Logic Control Fundamentals PLC</i>	4	11
8	<i>Cables</i>	4	11	17	<i>Electricity for non-electrical</i>	3	12
9	<i>Switchgear</i>	5	13	18	<i>Motor Operated Valves</i>	3	13

