PROFESSOR OF ELECTRICAL POWER ENGINEERING.

Dept. of Electrical Power Engineering, Faculty of Engineering, Cairo University, Egypt.

Tel.: 002-0100 5074206 Home: 002-27549941

e-mail: drgilany@eng1.cu.edu.eg & (drgilany@gmail.com)

Personal	Date of Birth: Oct 1st, 1964
Information	Nationality: Egyptian
	Martial Status: Married
Education	 Ph.D , Calgary University, Canada (1993) Field of Study: A Microprocessor Based Relay for Parallel Transmission Lines. M. Sc , Cairo University, Egypt (1989) Field of Study: Digital Relaying of Transmission lines. B. Sc , Cairo University, Egypt (1987) B.Sc. Thesis on Motor Speed Control. (Top of the Class).
Academic Summary	 2006-Present: Full Professor, Cairo University. 2013-Present: Professor (Part-time) at the American University in Cairo. 2003 – 2013: Assoc. Professor at College of Technological Studies, (CTS Kuwait). 1995 – 2003.: Assoc. Professor (Part Time) at the American University in Cairo. 1999-2006: Associated Professor, Cairo University 1993-1999: Assistant Prodessor, Cairo University 1989 -1993: Graduate Research Assistant and Graduate Teaching Assistant, Calagry University.
Academic Courses Taught	 Cairo University Electrical Installations Electrical Power Plants Energy Utilization Power System Protection (Graduate level)

- Digital Protection (Graduate level)
- Renewable Energy Sources (Graduate level).

American University In Cairo (AUC)

- ENGR 318 (Electricity For Non Electrical Engineers). For Civil and Mechanical Dept.
- EENG 3601 (Power and Machines) For Communication Dept.
- PENG 218/2411 (Electrical Engineering) For Petrolium Dept.

College Of Technological Studies, Kuwait

- Electrical Substations
- Programmable Logic Controllers PLC
- Electrical Maintenance
- Electrical Materials
- Electrical Machines
- Operation and Control of Power Systems

Other Courses

- Renewable Energy (Open Arab University, Kuwait)
- Statistics (Kuwait University, College for Women)

Work Experiences

Consultant and Supervisor for the Electrical Works in the following Projects:

Chronic Care Center, Gedda, Saudi Arabia (100 Beds) -2015

- Design the full electrical network
- Design the light current disciplines for the hospital.

National Cancer Institute, Cairo - 2013-2014

The Hospital Has 200 Beds and 13 Operation Rooms.

- Design the full electrical network (13MW)
- Design the light current systems
- Design the emergincy sysyems.

US Army Corps of Engineers, F16 depot facilities, Egypt. 2000-2003

Preparing electrical shop drawings

- Supervise the implementations carried by Encorp International.
- Relay settings
- Lighting and power loads,
- Light current systems,
- Installations in hazard areas,
- 11 kV distribution network,
- Earthing system,
- Short Circuit re-calculation,
- Coordination study.

Cairo University - 1999-2003

- Member of the "University Consultant Engineering Supreme Committee.
- Preparing and Reviewing the electrical technical specifications
 Guide for the university projects
- Design and Supervise the electric projects at more than 20 Buildings in the university including Labs, Student Hospital, Student Housing, Studying Halls, Gardens, etc.

Exxon-Mobil - 2002

- Design the Electrical Network of the Fire Fighting System in Mostord terminal.
- Design of the control and co-ordination systems between Electric , Jockey and Diesel pumps.
- Inspector of the fire accidents occurred in different stations.

Capital Stock Authority - 1998

 Evaluation of the value of Transferring the Technology of Dry Transformers to Egypt

AMONSETO Textile Company (10th of Ramadan City) 1997-1998

- Design the medium and low voltage networks
- Design the Tie-connection between the company standby generating station (21 MW) and the Egyptian Grid.

Khalda Petroleum Co., West Desert-Egypt - 1997

- Studies for the installation of the fourth Turbine in SALAM base (4.125 MVA), 200 Oil wells.
- Setting of Protective Relays (Digital and Analog)
- Testing, and Coordination of all relays.
- Short Circuit Currents calculation.
- Inspection of 3.3 kV overhead distribution network problems.

ESSO Company, Egypt - 1995-2002

 Design and supervise the installation of the electric networks and Pump areas in ESSO Terminals at Mostord & El-Max city.

Scientific Group, Egypt - 1995-2000

 Design the electrical (Power and light current) networks of NORAN Resort at the Northern Coast (owned by the scientific group for engineering Projects).

Cement Companies, Egypt - 1996

 Studies for a power factor improvement project at The National Cement Company (44 MVA).

Laboratory and Courses Development	 Member Of The Proposal Implementation Committee (Engineering Education Development Project In Egypt) Supervising the implementation of three Electrical Labs in Port-Said Faculty of Engineering (Bids Preparation, Equipment Testing, etc.). Member of the ABET Acceditation team in two Faculties: AUC (Egypt-2014) and CTS (Kuwait-2002)
Training Courses Presented	(Presented More Than 3000 Training Hours , In 7- Countries)

Course Title	FREQ	DUR	Client/Country	Year
Digital Protection	5	5	Ministry of Electricity/Egypt	1995-
_				2003
Grounding	1	5	Arab Contractors/Egypt	1999
Protective Relays	3	5	Ministry of Electricity/Egypt	1999
				2001
Power Electronics	2	5	Energy Research	2002
			Center/Egypt	
Electrical Installation	1	5	KSE/Kuwait	2004
Internal Lighting Design	1	5	KSE/Kuwait	2004
Electrical Safety in Buildings	1	5	KSE/Kuwait	2008
Solar Energy	1	5	KSE/Kuwait	2008
MV Transformers	1	5	KSE/Kuwait	2009
Electrical Installation	1	5	KSE/Kuwait	2009
Managing and execution of	1	5	KSE/Kuwait	2009
Electrical Maintenance				
Sound Systems in Mosques	2	5	Ministry of Awqaf/Kuwait	2009
Electrical Installation	1	5	KSE/Kuwait	2010
Electrical Safety in Buildings	1	5	KSE/Kuwait	2010
Power system Protection	1	5	KSE/Kuwait	2010
Electrical Safety in Buildings	1	5	KSE/Kuwait	2011
Synchronous Generators	1	5	KSE/Kuwait	2011
Predictive and corrective	1	5	KSE/Kuwait	2011
Maintenance				
Electrical Safety in Buildings	3	5	KSE/Kuwait	2011

Power system Protection	1	5	KSE/Kuwait	2011
Electrical Maintenance	1	5	KSE/Kuwait	2012
Electrical Equipment Sizing for	1	5	Ministry of Justice/Kuwait	2012
Expertise	, 		Willistry of Fastice, Rawait	2012
Protective Relay Maintenance	1	5	KPC/Kuwait	2013
Application & Testing				
Electrical Installation	1	5	KSE/Kuwait	2012
Innovative Solutions	1	5	KSE/Kuwait	2012
Street Lighting	1	5	KSE/Kuwait	2012
Electrical Safety in Buildings	6	5	KSE/Kuwait	2012
Electrical Maintenance	2	5	Touristic Enterprises/Kuwait	2012
Fire Alarm and Fire Fighting	1	5	KSE/Kuwait	2013
Electrical Installation	4	5	KSE/Kuwait	2013
Electrical Safety in Buildings	3	5	KSE/Kuwait	2013
Smart Homes	1	5	KSE/Kuwait	2013
Power system Protection	1	5	KSE/Kuwait	2013
Innovative Thinking	1	5	KSE/Kuwait	2013
Electrical Wiring, Regulation,	1	5	KahraMaa/Qatar	2013
Installation and Inspection				
HV & MV Substation Design,	1	5	KahraMaa/Qatar	2013
Testing and Maintenance				
Power Transformers Diagnostic	1	5	KahraMaa/Qatar	2013
and Monitoring				
Power System Protection	1	5	KahraMaa/Qatar	2013
Power Cable Standard & Testing	1	5	KahraMaa/Qatar	2014
Electrical Faults, Causes, Detection	1	5	KahraMaa/Qatar	2014
and Remedies				
Distribution SF6 RMU	1	5	KahraMaa/Qatar	2014
Electrical Drawing, Schematic and	1	5	KahraMaa/Qatar	2014
Wiring				
Electrical Installation	1	5	KahraMaa/Qatar	2014
Electrical Power Transmission and	1	5	KahraMaa/Qatar	2015
Distribution				
Electrical Drawings and Schematic	2	5	KahraMaa/Qatar	2015
Electrical Professional Engineer	5	5	KahraMaa/Qatar	20152016
Managing & Controlling Power	2	5	Muscat Distribution/ OMAN	20142015
Losses in Electrical Network				

Floridade Land	1		IZ - I NA /O!	2015
Electrical Substation Design Fundamentals	1	5	KahraMaa/Qatar	2015
Transmission Substation	1	5	KahraMaa/Qatar	2015
Inspection and Reporting	·			
Power System Restoration	1	5	Different delegates, DUBAI	2015
Strategy during Emergency &			3	
Black Out				
Control and Reduction of Power	1	5	Different delegates, Saudi	2015
Losses in Electrical Networks			Arabia	
Load Flow, Short Circuit	1	5	Muscat Distribution/ OMAN	2015
Calculations & Protection Relay				
Coordination				
Patrolling, Route Identification	1	5	KahraMaa/Qatar	2016
and reporting				
MV CB testing and Maintenance	1	5	KahraMaa/Qatar	2016
Planning of Electric Power	1	10	KahraMaa/Qatar	2016
Distribution				
Fundamental of Power System	2	5	KahraMaa/Qatar	2016
Equipment				
Electrical Power T&D Principles	1	5	KahraMaa/Qatar	2016
and Applications				
Power Quality Monitoring,	1	5	KahraMaa/Qatar	2016
analysis and Mitigation				
Protective Relaying	1	5	Qatar Petroleum/Qatar	2016
Electrical Utility Communications	1	5	Different delegates, Saudi	2016
& Smart Grid Technologies			Arabia and BAHRIN	
Electrical Distribution Network:	1	5	AbuZabi/UAE	2016
Engineering, Design & Planning				
Techniques				
Electrical Transformers,	1	5	Different delegates, Saudi	2017
Malfunctions, Insulation, and			Arabia	
Protection				
Power System Analysis	1	5	ADNOC, Abo-Dhbie	2019

Technical Teaching Enhancement (Center for Learning and Teaching, AUC-Development 2015) Teaching Evaluating - 2011 Courses o WIDS - 2010 o Photoshop - 2006 o SPSS - 2005 o AutoCAD - 2005 Writing Technical Notes - 2004 Microprocessor Based Relaying – 1992. Supervised 10 Ph.D. theses and 27 Master's Advising theses. Ph.D. advisees (with the first employment after graduation) 1- Bahaa El Din Hassan E. Soudy (2008) • A Proposed Technique for Performance Enhancement of Distance Protection Against Power Lines Open-Conductor Conditions Using ANN. • Bahaa is now the GM of Protection in Egyptian Electrical Authority. 2- Wael Ismael Wahba (2007) • A Proposed Algorithm for Distribution Power System Protection Using a Combined Wavelet and ANN Technique. • Wael is now Assoc. Professor at Fauom University. 3- Dalia Farouk Mohamed Allam (2007) • A New Design of an Intelligent Digital Distance Protective Relay. Dalia is now Assistant Professor at Fauom University.

- 4- Mahmoud Abd Elmonem Salem (2006)
 - Proposed Digital Relaying Algorithms for Solving Current Transformer Saturation Problems.
 - Mahmoud is now the head of Korimat Power Station.
- 5- Doaa Khalil Ibrahim (2005)
 - Accurate Fault Location in Underground Cables using Advanced Signal Processing Techniques.
 - Doaa is now Full Professor at Cairo University.
- 6- Mohamed Gamal El-Din Hassan (2005)
 - Remote Continuous Monitoring For the Ground Grid Resistance.
 - Mohamed is now Assistant. Professor at Al-Shorook Engineering Academy.
- 7- Mohamed A. Al-Naeem (2004)

- A Modified Monitoring and Cathodic Protection Scheme for Controlling the Reinforced Concrete Steal Corrosion.
- Mohamed is now GM of CP Private Company in Saudi Arabia.
- 8- Omar Hassan (2004)
 - Early Detection of HV Insulators Problems.
 - Omar is now Assoc Professor at Aswan Energy Inst.
- 9- Ahmed Abd-El-Moneim Kassem Rizk (2002)
 - "A New Digital Current Differential Protective Techniquefor HV Power Cables."
 - Ahmed is now GM in EgyptAir.
- 10- Ali-Algabory (Iraqi): (2019)
 - Improving Distance Relays performance in FACTS Compansated TL

M.Sc. thesis advisees (Main Supervisor)

- 1. Shady Salah , (2019): SMART DISTRIBUTION SYSTEMS
- 2. Sameh Ashraf Mansour, (2019) Future of Solar Cooling in Egypt
- 3. Mahmoud Mehana, (2019): False Trips in Gas Power Plant Due to Transient Voltage Variation.
- 4. Ahmed Hassan, (2019), Adaptive Multi-Function Transformer Differential Protective Relay.
- 5. Mohamed Yousef: (2019):Detecting and Locating Winding Faults in Power Transformers
- Ahmed Abd-Elmajeed El-Henawy, (2018): "Harmonic mitigation and Cancellation in Power Distribution Networkdks"
- 7. Ahmed Abd-el-Rahman (2017) " EVALUATION OF PROTECTIVE SCHEMES FOR GRID-CONNECTED GENERATOR-TRANSFORMER UNITS IN EGYPT
- 8. Ahmed Ragab (2017) " STUDYING THE EFFECTS OF DIFFERENT WIND FARM TOPOLOGIES ON SWITCHING OVER VOLTAGES"
- 9. Eman El-Shaar (2017) " Optimum SELF-Restoration in Egyptian 66 kV Network"
- Abd-El-Monaem Alsaway (2017) " CENTRALIZED SELF RESTORATION OF ELECTRIC DISTRIBUTION SYSTEMS "
- 11. Hossam Sabra (2017) " Sympathetic Tripping in Distribution Networks, Causes, Analysis, and Solution"
- 12. Ahmed Foaad (2017) " Harmonic Resonance Overvoltage during Main Power Transformer Energization in Grid-connected Wind Farms"
- 13. Mohamed Dawood "Restoring Recloser-Fuse Coordination in Radial Distribution Networks with Distributed Generation"
- 14. Nehad Khtab (2017) " Development of Zero- Energy -buildings in Egypt "

- 15. Mohamed Gaber (2016) " Fault Location Identification for Overhead Radial Distribution Networks"
- 16. Mahmoud Abd-ElFatah (2016) " A Travelling Waves-Based Fault Location Scheme For Multi-Tapped Overhead Distribution Systems"
- 17. Ahmed Naser (2016) " Fault Zone Discrimination and Fault Location for Series FACTS-Based Transmission Lines"
- 18. Galal Fathy (2015) " Voltage Stability Enhancement for Radial Distribution Networks".
- 19. Emad Francis (2007) "Control and Monitoring for Non-Manned Substation
- 20. Saber Mohamed Saleh Salim (2005) Performance of Capacitor-voltage transformer using Artificial neural network
- 21. Walid Ahmed-Fouad " (2003) " A Proposed Zero-Sequence Current Correction for Distance Protection of Double-Circuit Transmission Lines in Meshed Power Systems "
- 22. Doaa Khalil Ibrahim (2001) "A Digital Communication Based Technique for Distribution High Impedance Fault Detection"
- 23. Bahaa El Din Hassan E. Soudy (2000)" New Approach for Solving Distance Relaying Setting Problems " .
- 24. Hany Mahmoud Abdel-Aziz (1999) " Applying Current Limiting Devices on Distribution Systems"
- 25. Mahmoud Abd Elmonem Salem (1999) " A combined Digital Relay for Power Transformer Protection" .
- 26. Gehan Abd-El Wahab Mostafa Khalil (1999)" A New Technique for Eliminating Magnetizing Inrush Current Problem in Transformers' Protection".
- 27. Samer Ahmed Fouad El-Sokkary "(1999) Digital Multi-Function Relay for Synchronous Generator Protection".

Other Dissertations (External Examiner) (Only from 2014-2018)

(29-thesesis in 8 Universities : Cairo , Alexandria, Ain Shams, Al-Azhar, Helwan, Zagazeg, Tanta, Faoum, Tanta)

- 1. Naheel Shaker, (2019) An Intellegant Protection Scheme for active distribution networks. Alexandria University
- 2. Eatemad Wageh, (2019) New Protection Scheme for Low Voltage DC microgrids, Tanta University.
- 3. Protective relay coordination with DG, (2018) M.Sc. Alexandria University
- 4. Arc Furnace, (2017) Ph D., Alexandria university.
- 5. OPTIMIUM SITE SELECTION OF LARGE SCALE SOLAR POWER PLANTS, Janet Aid (2017) M.Sc. Helwan University.

- 6. Three Winding Power Transformer Protection Based On Pattern Recognition Techniques, Abdullah Mahomed (2016) M.Sc. Helwan University.
- 7. Induction Generator Protection Using Wavelet Analyses Technique, Ahmed Tamam (2016) M.Sc. Helwan University.
- 8. PV Parameters Estimations, Dalia Mahmoud (2016) M.Sc. Fayoum University.
- 9. Protection Of Electrical And Electronic Equipment And Electronic Parts Against Electrostatic Discharges, Amany Almasry (2016) M.Sc. Al-Azhar University.
- Proposed Schemes for Enhancing Coordination Of Directional Overcurrent Relays In Meshed Distribution Systems With Dg Units - Phd., Heba Sharaf (2015) ,Cairo University.
- 11. Distance Relay For Load Encroachment Alleviation With Agent Based Supervision Of Zone-3, Mohamed Badr, M.Sc. (2015), Alexandria University
- 12. Simulation And Analysis Of Smart Micro Grid, Mohamed Adel (2015) M.Sc. Helwan University
- 13. Identify The Fault Location In Electrical Distribution Network By Calculation The Impedance Value By Using Neural Networks, Ali Husin Alkalili (2015), M.Sc. Zagazek University
- 14. Demand And Generated Power Balancing Of Power Systems With Large Scale Renewable Energy Sources, Ahmed Rahoma (2015), M.Sc. Helwan University
- 15. Enhancement Of Grid-Connected Wind/Pv Hybrid System Using STATCOM, Mohamed Bahi-Barakat , M.Sc. Cairo University
- 16. Wind Energy Water Pumping System With Storage, Abdelmonem Shaaban (2015), M.Sc. Helwan University
- 17. Optimal Design Of Protection Schemes For Distribution Networks Including Distributed Generation, Ahmed Adel Abozied (2015), Ain Shams University
- 18. Effect Of Harmonics On Electromechanical And Solide-State Relays Performance, Mohamed Saleh (2015), M.Sc. Fayoum University.
- 19. Intelligent Load Management System Using Monitoring And Control System For Industrial Facilities, Yahya Mahmoud (2014) , M.Sc. Cairo University.
- 20. A New Directional Relay Based On Active / Reactive Power Portrait , Shreef Said (2014), M.Sc. Helwan University
- 21. Enhancing Distance Relay Performance For Transmission Line Protection, Mohamed Essam (2014), M.Sc. Cairo University
- 22. Comprehensive Fault Location Scheme For Power Transmission Lines", Ahmed Galal (2014), M.Sc. Cairo University.

	23. Analysis And Elimination Of Capacitors Switching Transient
	Overvoltages In Power Factor Improvement Of Induction
	Motors, Mohamed Ossama, (2014), M.Sc. Cairo University.
	24. HVDC Transmission, Marwa Attea (2014), M.Sc. Helwan
	University
	25. An Approach For Achieving Energy Credits In An Egyptian
	Green Building Rating System, Ahmed Ibrahim (2014) , M.Sc.
	Cairo University
	26. Islanding Phenomenon Detection Of Distributed Generation,
	Ahmed Gamal (2014) , Fayoum University
	27. Design Of A Prototype Cable Fault Location, Moamen
	Mohamed (2014), M.Sc. Fayoum University
	28. Improving Voltage Stability Of Wind Farms Connected To
	Weak Grids Using Facts, Mohsen Galal (2014), M.Sc. Cairo
	University
	29. Energy Credit Investigation In The Development Of An
	Egyptian Green Building Rating System, Ahmed Ali (2013),
	Cairo University
	Theses-in progress (Main Supervisor)
	o 6 M.Sc. theses – Under progress
	o 7 Ph. D thesis - Under progress.
Funded	 Cost Reduction of Solar Energy Projects (Cairo University)
Research	2002
Projects.	 New Methods for fault detection in Kuwait Electrical
rrojects.	Networks. (The Public Authority for Applied Education and
	Training) 2006
	 Improving the Performance of Backup Protective Relays in
	Kuwait Transmission Networks. (Kuwait Foundation for the
	Advancement of Sciences) 2007
	 New Techniques for Estimating the Distance of Open-Circuit
	Faults Using Distance Relays (Kuwait Foundation for the
	Advancement of Sciences) 2008
	 Short Circuit Level Reduction in the Kuwait Developed
	Distribution Networks (The Public Authority for Applied
	Education and Training) 2009
	 A Wavelet Based Technique For Detection and Classification
	of Transients in Distribution Networks . (The Public Authority
	for Applied Education and Training) 2010
Official	Mombor in the Following Official Technical Committees for
Official	 Member in the Following Official Technical Committees for:
Committees	

	1	
	0	Studying the effect of current interruption and voltage reduction on the industrial plants in Egypt. (Scientific Research Academy, 1994) Evaluation of the value of Transferring the Technology of Dry Transformers to Egypt. (Capital Stock Authority) 1998 Examining the performance of a new digital relay (AUOS) before being used by the Egyptian Electrical Authority in the Egyptian distribution networks. The work include conducting all types of protective relay testing, field testing at different transmission and distribution lines and examining the relay SCADA system.(Ministry of Electricity, Egypt) 2002 Preparing a technical report to an Egyptian Court on the Conflict between the Ministry of Treasure and Power-Egypt Company. (Ministry of Justice) 2001
 International	0	Named In Who's Who.
Activities	0	Keynote Speaker in First International Power and Energy
7.00.		Conference (Malaysia 28-29 Nov. 2006).
	0	Member of the Technical Committee of First International
		Power and Energy Conference (Malaysia 28-29 Nov. 2006)
	0	Winner of the best paper Award in GCC – Cigre 2004.
	0	Member of the Technical Committee of IASTED Conference
		on Energy and Power Systems from 2003 till 2009. Member of the Technical Committee of Power Simulation
	0	Conference, Amest 12-14 Oct, 2003.
International	0	DPSP-2018, Belfast, 12-15 March, 2018.
Conference	0	MEPCON-2016, Cairo, 17-19 Dec. 2016
	0	ICEES-2010, Singapore, Feb. 26-28, 2010.
	0	WASET-2009, Tokyo, Japan, May 27-29, 2009.
	0	CIRED 2008: Smart Grids for Distribution, Frankfurt, 23 - 24
		June 2008.
	0	7th IASTED International Conference on Power and Energy
		Systems (EuroPES), Aug 29-31, Palma De Mallorca, Spain,
		2007. Chairman of the Transmission/ Protection Session15th International Conference on Power System Protection,
	0	Bled, Solvenia, Sept. 6-8, 2006.
	0	First International Power and Energy Conference PECon 2006,
		November 28-29, 2006, Putrajaya, Malaysia. Chairman of the
		Transmission/ Protection Session
	0	14th International Conference on Power System Protection,
		Bled, Solvenia, Sept. 29-October 1, 2004.
	0	GCC CIGRE Regional Conference on Transmission Line Design
		and Operation, Kuwait, 1-2 Dec. 2004. (Best Paper Award)

Reviewer in International Journals	 The 20th IASTED Conference on Power and Energy Systems (Euro Power Engineering Society -2002), Crete, Greece, 25-28 June, 2002. MEPCON-98, Mansora, 15-17 Dec. 1998 MEPCON-97, Alex, 4-6 Jan. 1997 ICECS'97, Cairo, 15-18 Dec. 1997 Cigre-97, Session, Cairo AEIC.95, Cairo, 16-19 Dec. 1995 IEEE Transaction on Dielectrics and Electric Insulation IEEE Transaction on Power Delivery Journal of Electrical Power and Energy Systems, International Journal on Emerging of Electric Power System. Journal of Electrical Power Components. European Transactions on Electrical Power
	 Ain Shams Engineering Journal
	o International Journal of Emerging Electric Power Systems.
Scholastic Awards	 Prize of Best Practical Ph. D. Supervised Thesis from the College of High Studies, Egypt (2008) Canadian International Development Agency (CIDA) Award for a 3 Years Ph.D. Study at The University of Calgary, Canada (1990) Academic Excellence Scholarship, Cairo University 1988) Cairo University Graduate With Honor Degree Award (1987) Scholarship of Distinction, Cairo University, 1982-1987. Cairo Provincial Award for Egypt's 10-Top Students. (1979)
Published	o In English
Books	 In English Chapter, Leading-Edge Electric Power Research, ISBN 978-1-60021-981-8, © 2007 Nova Science Publishers, Inc.
	 In Arabic (Free Download from all Electrical Power Forums with more than 100000 downloads)
	 Power System Protection (2007) Electrical Installations (2010) Power Transformers (2013) Electrical Power Engineering (2016) .
Published	
Papers:	18.25 on research gate (906 Reads) : https://www.researchgate.net/profile/Mahmoud_Gilany

h- index 15 on google scholar- Citation 504
https://scholar.google.com/citations?view_op=list_works&hl=en&user
=xLsd46MAAAAJ

h-index 10 on Scopus Preview https://www.scopus.com/authid/detail.uri?authorld=24448081500

URL :http://staff.eng.cu.edu.eg/drgilany

More Than 85 Published Papers in Journals and International Conferences.

- 1- Ahmed Fouad, Mostafa Al-Shahid, Mahmoud Gilany, , Harmonic Resonance Overvoltage due to Main Transformer Energization in Wind Farms, Zafarana, Egypt", Ain Shams Engineering Journal, April, 2019.
- 2- Ali- Hadi Al-Khlil, Mahmoud Gilany, " AN ADAPTIVE DISTANCE RELAY SCHEME IN STATCOM COMPENSATED TRANSMISSION LINE, Journal of Engineering and Applied Science, , Vol. 140, No.1, pp. 153-165, Jan., , 2019.
- 3- Ahmed Elhenawy, Mahmoud Sayed and Mahmoud Gilany," Harmonic Cancellation in Residentail Buildings ", MEPCON'17, Cairo, Egypt, pp. 203-208, 19-21 Dec., 2018.
- 4- Hosam Sabra, Doaa K. Ibrahimb, Mahmoud Gilany. "Field Experience with Sympathetic Tripping in Egyptian Distribution Networks", Developments in Power System Protection, DPSP 2018 Belfast, 12-15 March, 2018.
- 5- Mohamed Dawood, Doaa Khalil, Mahmoud Gilany, "Restoring Recloser-Fuse Coordination in Radial Distribution Networks with Distributed Generation", MEPCON'17, Cairo, Egypt, pp. 203-208, 19-21 Dec., 2017.
- 6- Mohamed A. Gabr, Doaa K. Ibrahimb, Eman S. Ahmeda, Mahmoud I. Gilany, "A new impedance-based fault location scheme for overhead unbalanced radial distribution network", Electric Power Systems Research 142 (2017) 153–162.
- 7- Mahmoud A. Fatah, Doaa K. Ibrahimb, Mahmoud Gilany " A Single-End Fault Location for Multi-Tapped Overhead Distribution Systems ", MEPCON'16, Cairo, Egypt, paper No. 235, Dec., 2016.
- 8- Ahmed A. El-Rahman, Doaa K. Ibrahim, Mahmoud Gilany, " Evaluation of Protective Schemes For Grid- Connected Generator-transformer Units In Egypt ", Proceedings of the 17th

- International Middle East Power Systems Conference, MEPCON15; Mansoura University, Egypt, December, 15-17, 2015.
- 9- Ahmed Nasr, Doaa Kahlil, Mahmoud Gilany, "Integrated Fault Zone Discrimination and Fault Location Algorithm for Series FACTS-based Transmission Lines", MEPCON'15, Mansoura, Egypt, pp. 239-245, Dec. 15-17, 2015.
- 10-Galal Fathi, Mahmoud Sayed, Mahmoud Gilany, "Optimal DG Allocation to Enhancement the Voltage Stability of Distribution Network using Firefly Optimization Technique", 17th International Middle East Power System Conference, MEPCON'15, Mansoura, Egypt, pp. 459-463, Dec. 15-17, 2015.
- 11- Hosam Sabra, Doaa Kahlil, Mahmoud Gilany, "Unnecessary Simultaneous Trip in Distribution Networks", 17th International Middle East Power System Conference, MEPCON'15, Mansoura, Egypt, pp. 411-415, Dec. 15-17, 2015.
- 12-Gilany, A. Alkandari, Bahaa Hassan, "Novel Algorithm for Estimating the Distance of Open-Conductor Faults in HV Transmission Lines", Journal of Energy and Power Engineering, Volume 6, No.8, pp 1301-1307, August 2012.
- 13-N Zamanan, M Gilany, W Wahba, "A Sensitive Wavelet-Based Algorithm for Fault Detection in Power Distribution Networks", 2011/3, ACEEE Int. J. on Communication, Volume 2, Issue 01, pp. 46-50
- 14-Gilany, A. Alkandari, J. Madou " An Accurate Technique for locating Faults by Distance Relays", Journal of Electric Power Systems Research, Volume 33, Pages 477-484, 2011.
- 15-M. Gilany, N. Zamanan and W. Wahba , "A Wavelet-Based Technique for Distribution Networks", Journal of Energy and Power Engineering, Volume 4, No.10 (Serial No.35), pp. 46-53, October 2010.
- 16- M. Gilany, N. Zamanan, W. Wahba, "A Wavelet Based Technique For Detection and Classification of Transients in Distribution Networks", ICEES-2010, Singapore, Feb. 26-28, 2010, pp.118-122.
- 17- M. Gilany, A. Al-Kandari, "ANN Based Technique For Enhancement of Distance Relay Performance Against Open-Conductor in HV Transmission Lines", ICEES-2010, Singapore, Feb. 26-28, 2010, pp. 50-54.
- 18-Wael El-Hasawi, M. Gilany, "Reducing the Short Circuit Levels in Kuwait Transmission Network", Journal of Energy and Power Engineering, Volume 4, No.5 (Serial No.30), pp. 45-51, May 2010.
- 19-Wael El-Hasawi, M. Gilany, "Proposed Techniques for Identifying Open and Short Circuit Sections in Distribution Networks",

- WSEAS Transaction on Power Systems, Issue 12, Volume 4, December 2009, pp. 372-381.
- 20- M. Gilany, Wael El-Hasawi, "Proposed Techniques for Identifying Open and Short Circuit Sections in Distribution Networks", The 9th WSEAS/IASME International Conference on Elect. Power Systems, University of Jenova, Italiy, Oct. 17-19, 2009.
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