<table>
<tr>
<td>EHAB
ESMAIL ABDEL-RASOL
  </td>
<td>LECTURE OF ELECTRICAL ENGINEERING.
Tel.:002-0100 8756635
e-mail: ehab.nabil@sh-eng.menofia.edu.eg</td>
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<tr>
<td>Personal Information</td>
<td>Date of Birth: 10-3-1980.
Nationality: Egypt.
Marital state: Married.</td>
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<tr>
<td>Education</td>
<td>• Ph.D, Minoufiya University, Egypt (2016)
o Field of Study: Modern Trends of Protective Transducer Applications in Fault Diagnosis for Distribution Networks.
• M.Sc , Minoufiya University, Egypt (2010)
o Field of Study: Dynamic Analysis and Control of Hybrid Stepping Motors.
• B.Sc , Minoufiya University, Egypt (2002)
o Field of Study: Micro-stepping of Hybrid Stepping Motor.</td>
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<tr>
<td>Academic Summary</td>
<td>Lecture with the Department of Electrical Engineering; Marg Higher Institute of Engineering and modern Technology (2017-2019).
Lecture with the Department of Electrical and Communication Engineering; Valley High Institute of Engineering and Technology, Science Valley Academy, Qalubia (2021- Until now).</td>
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<tr>
<td>Academic courses Taught</td>
<td>• Computer Control (SCADA).
• Electrical Power Engineering.
• Electrical Machine.
• Flexible Control of Electrical Transmission system.</td>
</tr>
</table>

	• High voltage Engineering. • Electrical control component. • Principles of Electrical Engineering. • Automatic control • Advanced control system • Digital control • High voltage engineering • Power system analysis I, II • Protection and switchgear • Power system protection • Transmission and distribution
Work Experiences	**Maintenance Electrical Engineering in EZZ for Ceramic and Porcelain (ELGWHARA) [2005-2009].** ▪ Experience repair in Electronic board. ▪ Experience work in PLC SIEMENS. ▪ Experience work in all Inverters. **Protection Engineer in South Delta Distribution Electrical Company [2009-2017].** ▪ Good experience in testing of power system protection relays. ▪ Experience in testing medium voltage switchgear. ▪ Expert in troubleshooting in protection and control schemes, troubleshooting in operating equipment's and devices. ▪ Skill in programming of the digital relays using computer operated software methods to change the operating settings as per system requirements. ▪ Good experience in testing and commissioning for substations. ▪ Able to perform system analyses including relay coordination, grounding & short circuit studies for medium voltage substations.
Laboratory and	Supervising the implementation of Electrical Machine and Renewable Energy Labs in Marg Higher Institute of Engineering and modern Technology (2017-2019).

Courses Development	
Training Courses Presented	Protection Relay and Digital Protection in South Delta Distribution Electrical Company.
Technical Development Courses	• English course at American Canadian Center (ACC). • ICDL course at the Public Service Center (P.S.C), Minoufiya University. • Operation & Maintenance Technology Resource Center SKY TECH - (CBM Optimization), one weak, (EZZ DEKHILA), Alexandria. • Power Factor Improvement and Harmonic Control in Development Research and Technological Planning Center -Cairo University. • Effective leadership, time management and delegation in Leader chip center in Ministry of Electricity & Energy- Cairo. • MATLAB & ATPDRAW programs.
Advising	*Supervised B.Sc Projects (2018).* • Under-Frequency-Load Shedding. • Electrical Power Smart Distribution Inside Signal officers House Hotel. • Fault Diagnosis in Automatic Control for Filling Production Line. • Under-Frequency Load shedding. *Supervised B.Sc Projects (2022).* Solar Water Pumping System
International Conference	• 13th International Middle East Power Systems (MEPCON2009), Assiut University, Egypt, December 20-23, 2009. • Fourteenth International Middle East Power Systems (MEPCON2010), Cairo University, Egypt, December 19-21, 2010.

	• International Middle East Power Systems (MEPCON2015), Mansoura University, Egypt, December 15-17, 2015. • Conseil International des Grands Reseaux Electriques (CIGRE), Paris, August 21-26,2016. • International Middle East Power Systems (MEPCON2016), Helwan University, Egypt, December 27-29, 2016. • Nineteenth Middle East Power Systems (MEPCON2017), Menoufia University, Egypt, December 19-21, 2017. • Conseil International des Grands Reseaux Electriques (CIGRE), Paris, August 26-31,2018. • Conseil International des Grands Reseaux Electriques (CIGRE) 2019, Egypt, Cairo 6-8 March,2019.
Reviewer in International Journals	• Electric Power Components and Systems. • European Transactions on Electrical Power.
Published Papers:	5.25 on research gate: https://www.researchgate.net/profile/Ehab_Mohamed_Nabil h-index 4 & i10-index 3 on google scholar https://scholar.google.com/citations?hl=ar&user=ehSbe_4AAAAJ h-index 4 on Scopus Preview https://www2.scopus.com/ /freelookup/form/author.uri?st1=Esmail&st2=Ehab%20M **13 Published Papers in Journals and International Conferences.** [1] Mohamed S. Zaky, Ehab M. Esmail, Mahmoud M. Khater, " DSP-Based Real-Time Control of a Two-Phase Hybrid Stepping Motor," 13th International Middle East Power Systems (MEPCON2009), Assiut University, Egypt, December 20-23, 2009. [2] Mohamed S. Zaky, Ehab M. Esmail, Mahmoud M. Khater, " Gain Scheduling Adaptive PI Control of Hybrid Stepper Motor Drives," Fourteenth International Middle East Power

Systems (MEPCON2010), Cairo University, Egypt, December 19-21, 2010.

[3] Mohamed S. Zaky , Ehab M. Ismaeil , and Mahmoud M. Khater, "Gain Scheduling Adaptive Proportional integral Controller for a Field-oriented Control of Hybrid Stepper Motor Drives," Electric Power Components and Systems, vol. 40, no. 7, pp.777-791, Apr .2012.

[4] E.M. Esmail,N.I. Elkalashy, T.A. Kawady,A-M. I. Taalab and M. Lehtonen, "Detection of Partial Saturation and Waveform Compensation of Current Transformers," IEEE Trans. Power. Del., vol. 30, no. 3, pp. 1620-1622, Oct. 2014.

[5] E.M. Esmail, N.I. Elkalashy, T.A. Kawady, and A-M. I. Taalab, "Evaluation of Current Transformer Saturation on the Optimal Coordination for Parallel Distribution Feeders," International Middle East Power Systems (MEPCON2015), Mansoura University, Egypt, December 15-17, 2015.

[6] E.M. Esmail, N.I. Elkalashy, T.A. Kawady, and A-M. I. Taalab, "Fundamental Current Phasor Tracking Using DFT Extraction of Rogowski Coil Signal," IET Science, Measurement &Technology, vol. 10, iss. 4, pp. 296-305,2016.

[7] E.M. Esmail, N.I. Elkalashy, T.A. Kawady, and A-M. I. Taalab, "Evaluation of Compensating Saturation Algorithms for Protective Current Transformers," Conseil International des Grands Reseaux Electriques (CIGRE), Paris,August 21-26,2016.

[8] E.M. Esmail, N.I. Elkalashy, T.A. Kawady, A-M. I. Taalab, "Experimental Implementation of Optical Current Transducers," International Middle East Power Systems (MEPCON2016), Helwan University, Egypt, December 27-29, 2016.

[9] E.M. Esmail, N.I. Elkalashy, T.A. Kawady, and A-M. I. Taalab, " Impact of Current Transformer Saturation on Fault Location Algorithms for Parallel Distribution Feeders," Nineteenth Middle East Power Systems (MEPCON2017), Menoufia University, Egypt, December 19-21, 2017.

[10] E.M. Esmail, N.I. Elkalashy, T.A. Kawady, and A-M. I. Taalab, " Investigation of Measurement Errors Effect on Fault Location Reliability for Parallel Distribution Feeders," Conseil International des Grands Reseaux Electriques (CIGRE), Paris, August 26-31,2018.

[11] E.M. Esmail, Mahmoud A. Elsadd ,N.I. Elkalashy, T.A. Kawady, and A-M. I. Taalab, " Performance Evaluation of Conventional Protection for Single-Phase Return Faults in Medium Voltage Feeders," Conseil International des Grands Reseaux Electriques (CIGRE) 2019, Egypt, Cairo 6-8 March,2019.

[12] Ehab.M. Esmail, Nagy I. Elkalashy , Tamer Kawady, 4, and Mahmoud A. Elsadd, " A review: Smart Distribution Grid Management using Agents," WSEAS TRANSACTIONS on SYSTEMS , Volume 19, 2020.
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[13] Ehab.M. Esmail, Nagy I. Elkalashy , Tamer Kawady, 4, and Mahmoud A. Elsadd, " Modified autonomous fault management strategy for enhancing distribution network reliability," ElectricalEngineering
https://doi.org/10.1007/s00202-021-01216-6

[14] EHAB M. ESMAIL , MAHMOUD A. ELSADD , NAGY I. ELKALASHY , TAMER KAWADY , "A review: Smart Distribution Grid Management using Agents," WSEAS TRANSACTIONS on SYSTEMS.

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[15] Ehab M. Esmail a, Mahmoud M. Elgamasy b, Tamer A. Kawady b, Abdel-Maksoud I. Taalab b, Nagy I. Elkalashy b, Mahmoud A. Elsaddc, * , "Detection and experimental investigation of open conductor and single-phase earth return faults in distribution systems ," International Journal of Electrical Power and Energy Systems 140 (2022) 108089
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