Research Paper

Paper’s title should be the fewest possible words that accurately describe the content of the paper

(Center, Bold, 16pt)

**Abdel‑Rahman Hedar1,2, Patricia Melin3, Kennedy Okokpujie4 (10 pt)**

1Department of Computer Science, Faculty of Computers & Information, Assiut University, Assiut, Egypt (8 pt)

2Department of Computer Science in Jamoum, Umm Al-Qura University, Makkah, Saudi Arabia

3Division of Graduate Studies, Tijuana Institute of Technology, Tijuana, Mexico

4Department of Electrical and Information Engineering, College of Engineering, Covenant University, Ota, Nigeria

***Journal of Social Responsibility, Tourism and Hospitality (JSRTH)***

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| **Article Info** |  | **ABSTRACT** (10 PT) |
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| ***Corresponding Author:***  Kennedy Okokpujie  Department of Electrical and Information Engineering, College of Engineering, Covenant University  Km. 10 Idiroko Road, Canaan Land, Ota, Ogun State, Nigeria  Email: [kennedy.okokpujie@covenantuniversity.edu.nga](mailto:kennedy.okokpujie@covenantuniversity.edu.nga) | | |

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Literature review that has been done author used in the section "INTRODUCTION" to explain   
the difference of the manuscript with other papers, that it is innovative, it are used in the section "METHOD" to describe the step of research and used in the section "RESULTS AND DISCUSSION" to support the analysis of the results [2]. If the manuscript was written really have high originality, which proposed a new method or algorithm, the additional section after the "INTRODUCTION" section and before the "METHOD" section can be added to explain briefly the theory and/or the proposed method/algorithm [4].

1. **LITARATURE REVIW/ RELATED WORK**

Explaining research chronological, including research design, research procedure (in the form of algorithms, Pseudocode or other), how to test and data acquisition [5]–[7]. The description of the course of research should be supported references, so the explanation can be accepted scientifically [2], [4]. Figures 1-2 and Table 1 are presented center, as shown below and cited in the manuscript [5], [8]–[13]. The settlement curves produced at SG1 has been illustrated in Figure 2(a) and SG2 has been illustrated Figure 2(b).

1. **METHOD (12 PT)**

Explaining research chronological, including research design, research procedure (in the form of algorithms, Pseudocode or other), how to test and data acquisition [5]–[7]. The description of the course of research should be supported references, so the explanation can be accepted scientifically [2], [4]. Figures 1-2 and Table 1 are presented center, as shown below and cited in the manuscript [5], [8]–[13]. The settlement curves produced at SG1 has been illustrated in Figure 2(a) and SG2 has been illustrated Figure 2(b).



Figure 1. Shows the flowchart of the AI-based models and experimental methods applied



(a)



(b)

Figure 2. The relationship of soil settlement and time for (a) SG1 and (b) SG2

Table 1. The performance of ...

|  |  |  |
| --- | --- | --- |
| Variable | Speed (rpm) | Power (kW) |
| x | 10 | 8.6 |
| y | 15 | 12.4 |
| z | 20 | 15.3 |

1. **RESULTS AND DISCUSSION (12 PT)**

In this section, it is explained the results of research and at the same time is given   
the comprehensive discussion. Results can be presented in figures, graphs, tables and others that make   
the reader understand easily [14], [15]. The discussion can be made in several sub-sections.

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) (1)

All symbols that have been used in the equations should be defined in the following text.

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4.2.1. Subsub section 1

yy

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1. **CONCLUSION (12 PT)**

Provide a statement that what is expected, as stated in the "INTRODUCTION" section can ultimately result in "RESULTS AND DISCUSSION" section, so there is compatibility. Moreover, it can also be added the prospect of the development of research results and application prospects of further studies into the next (based on result and discussion).

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This section should describe sources of funding agency that have supported the work. Authors should state how the research described in their article was funded, including grant numbers if applicable. Include the following (or similar) statement if there is no funding involved: Authors state no funding involved.

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* R. Fardel, M. Nagel, F. Nuesch, T. Lippert, and A. Wokaun, “Fabrication of organic light emitting diode pixels by laser-assisted forward transfer,” *Appl. Phys. Lett.*, vol. 91, no. 6, Aug. 2007, Art. no. 061103, doi: 10.1063/1.2759475.

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* J. Zhao, G. Sun, G. H. Loh, and Y. Xie, “Energy-efficient GPU design with reconfigurable in-package graphics memory,” in *Proc. ACM/IEEE Int. Symp. Low Power Electron. Design (ISLPED)*, Jul. 2012, pp. 403–408, doi: 10.1145/2333660.2333752.

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**REFERENCES**

[1] T. S. Ustun, C. Ozansoy, and A. Zayegh, “Recent developments in microgrids and example cases around the world—A review,” *Renew. Sustain. Energy Rev.*, vol. 15, no. 8, pp. 4030–4041, Oct. 2011, doi: 10.1016/j.rser.2011.07.033.

[2] D. Salomonsson, L. Soder, and A. Sannino, “Protection of Low-Voltage DC Microgrids,” *IEEE Trans. Power Deliv.*, vol. 24, no. 3, pp. 1045–1053, Jul. 2009, doi: 10.1109/TPWRD.2009.2016622.

[3] S. Chakraborty and M. G. Simoes, “Experimental Evaluation of Active Filtering in a Single-Phase High-Frequency AC Microgrid,” *IEEE Trans. Energy Convers.*, vol. 24, no. 3, pp. 673–682, Sep. 2009, doi: 10.1109/TEC.2009.2015998.

[4] S. A. Hosseini, H. A. Abyaneh, S. H. H. Sadeghi, F. Razavi, and A. Nasiri, “An overview of microgrid protection methods and the factors involved,” *Renew. Sustain. Energy Rev.*, vol. 64, pp. 174–186, Oct. 2016, doi: 10.1016/j.rser.2016.05.089.

[5] S. Chen, N. Tai, C. Fan, J. Liu, and S. Hong, “Sequence‐component‐based current differential protection for transmission lines connected with IIGs,” *IET Gener. Transm. Distrib.*, vol. 12, no. 12, pp. 3086–3096, Jul. 2018, doi: 10.1049/iet-gtd.2017.1507.

[6] S. Parhizi, H. Lotfi, A. Khodaei, and S. Bahramirad, “State of the Art in Research on Microgrids: A Review,” *IEEE Access*, vol. 3, pp. 890–925, 2015, doi: 10.1109/ACCESS.2015.2443119.

[7] S. Chowdhury, S. P. Chowdhury, and P. Crossley, *Microgrids and Active Distribution Networks*. Institution of Engineering and Technology, 2009.

[8] R. Ndou, J. I. Fadiran, S. Chowdhury, and S. P. Chowdhury, “Performance comparison of voltage and frequency based loss of grid protection schemes for microgrids,” in *2013 IEEE Power & Energy Society General Meeting*, 2013, pp. 1–5, doi: 10.1109/PESMG.2013.6672788.

[9] S. Liu, T. Bi, A. Xue, and Q. Yang, “Fault analysis of different kinds of distributed generators,” in *2011 IEEE Power and Energy Society General Meeting*, Jul. 2011, pp. 1–6, doi: 10.1109/PES.2011.6039596.

[10] K. Jennett, F. Coffele, and C. Booth, “Comprehensive and quantitative analysis of protection problems associated with increasing penetration of inverter-interfaced DG,” in *11th IET International Conference on Developments in Power Systems Protection (DPSP 2012)*, 2012, pp. P31–P31, doi: 10.1049/cp.2012.0091.

[11] P. T. Manditereza and R. Bansal, “Renewable distributed generation: The hidden challenges – A review from the protection perspective,” *Renew. Sustain. Energy Rev.*, vol. 58, pp. 1457–1465, May 2016, doi: 10.1016/j.rser.2015.12.276.

[12] D. M. Bui, S.-L. Chen, K.-Y. Lien, Y.-R. Chang, Y.-D. Lee, and J.-L. Jiang, “Investigation on transient behaviours of a uni-grounded low-voltage AC microgrid and evaluation on its available fault protection methods: Review and proposals,” *Renew. Sustain. Energy Rev.*, vol. 75, pp. 1417–1452, Aug. 2017, doi: 10.1016/j.rser.2016.11.134.

[13] T. N. Boutsika and S. A. Papathanassiou, “Short-circuit calculations in networks with distributed generation,” *Electr. Power Syst. Res.*, vol. 78, no. 7, pp. 1181–1191, Jul. 2008, doi: 10.1016/j.epsr.2007.10.003.

[14] H. Margossian, G. Deconinck, and J. Sachau, “Distribution network protection considering grid code requirements for distributed generation,” *IET Gener. Transm. Distrib.*, vol. 9, no. 12, pp. 1377–1381, Sep. 2015, doi: 10.1049/iet-gtd.2014.0987.

[15] O. Núñez-Mata, R. Palma-Behnke, F. Valencia, A. Urrutia-Molina, P. Mendoza-Araya, and G. Jiménez-Estévez, “Coupling an adaptive protection system with an energy management system for microgrids,” *Electr. J.*, vol. 32, no. 10, p. 106675, Dec. 2019, doi: 10.1016/j.tej.2019.106675.

[16] M. Brucoli and T. C. Green, “Fault behaviour in islanded microgrids,” in *Proceedings of the 19th international conference on electricity distribution, CIRED*, 2007, pp. 0548-(1-4).

[17] I. K. Tarsi, A. Sheikholeslami, T. Barforoushi, and S. M. B. Sadati, “Investigating impacts of distributed generation on distribution networks reliability: A mathematical model,” in *Proceedings of the 2010 Electric Power Quality and Supply Reliability Conference*, Jun. 2010, pp. 117–124, doi: 10.1109/PQ.2010.5550010.

[18] L. K. Kumpulainen and K. T. Kauhaniemi, “Analysis of the impact of distributed generation on automatic reclosing,” in *IEEE PES Power Systems Conference and Exposition, 2004.*, pp. 1152–1157, doi: 10.1109/PSCE.2004.1397623.

[19] A. A. Memon and K. Kauhaniemi, “A critical review of AC Microgrid protection issues and available solutions,” *Electr. Power Syst. Res.*, vol. 129, pp. 23–31, Dec. 2015, doi: 10.1016/j.epsr.2015.07.006.

[20] H. A. Abdel-Ghany, A. M. Azmy, N. I. Elkalashy, and E. M. Rashad, “Optimizing DG penetration in distribution networks concerning protection schemes and technical impact,” *Electr. Power Syst. Res.*, vol. 128, pp. 113–122, Nov. 2015, doi: 10.1016/j.epsr.2015.07.005.

[21] S. Chaitusaney and A. Yokoyama, “An Appropriate Distributed Generation Sizing Considering Recloser-Fuse Coordination,” in *2005 IEEE/PES Transmission &amp; Distribution Conference &amp; Exposition: Asia and Pacific*, pp. 1–6, doi: 10.1109/TDC.2005.1546838.

[22] H. H. Zeineldin, Y. A.-R. I. Mohamed, V. Khadkikar, and V. R. Pandi, “A Protection Coordination Index for Evaluating Distributed Generation Impacts on Protection for Meshed Distribution Systems,” *IEEE Trans. Smart Grid*, vol. 4, no. 3, pp. 1523–1532, Sep. 2013, doi: 10.1109/TSG.2013.2263745.

[23] D. Eltigani and S. Masri, “Challenges of integrating renewable energy sources to smart grids: A review,” *Renew. Sustain. Energy Rev.*, vol. 52, pp. 770–780, Dec. 2015, doi: 10.1016/j.rser.2015.07.140.

[24] M. M. Eissa (SIEEE), “Protection techniques with renewable resources and smart grids—A survey,” *Renew. Sustain. Energy Rev.*, vol. 52, pp. 1645–1667, Dec. 2015, doi: 10.1016/j.rser.2015.08.031.

[25] A. Oudalov *et al.*, “Novel Protection Systems for Microgrids,” 2009. [Online]. Available: http://www.microgrids.eu/documents/688.pdf.

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|  | **Abdel‑Rahman Hedar**     holds a Doctor of Informatics degree from Kyoto University, Japan in 2004. He also received his B.Sc. and M.Sc. (Mathematics) from Assiut University, Egypt in 1993 and 1997, respectively. He is currently an associate professor at Computer Science Department in Jamoum, Umm Al-Qura University, Makkah, Saudi Arabia. He is also an associate professor of artifcial intelligence in Assiut University since January 2012. His research includes meta-heuristics, global optimization, machine learning, data mining, bioinformatics, graph theory and parallel programming. He has published over 70 papers in international journals and conferences. From July 2005 to July 2007, he was a JSPS research fellow in Kyoto University, Japan. He can be contacted at email: ahahmed@uqu.edu.sa or hedar@aun.edu.eg. |
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|  | **Patricia Melin**     received the D.Sc. degree (Doctor Habilitatus D.Sc.) in computer science from the Polish Academy of Sciences, Warsaw, Poland, with the Dissertation “Hybrid Intelligent Systems for Pattern Recognition using Soft Computing”. She is a Professor of Computer Science in the Graduate Division, Tijuana Institute of Technology, Tijuana, Mexico since 1998. In addition, she is serving as Director of Graduate Studies in computer science and Head of the research group on Computational Intelligence (2000–present). Her research interests are in Type-2 Fuzzy Logic, Modular Neural Networks, Pattern Recognition, Neuro-Fuzzy and Genetic-Fuzzy hybrid approaches., She is currently the President of Hispanic American Fuzzy Systems Association (HAFSA) and is the founding Chair of the Mexican Chapter of the IEEE Computational Intelligence Society. She can be contacted at email: pmelin@tectijuana.mx. |
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|  | **Dr. Kennedy Okokpujie**     holds a Bachelor of Engineering (B.Eng.) in Electrical and Electronics Engineering, Master of Science (M.Sc.) in Electrical and Electronics Engineering, Master of Engineering (M.Eng.) in Electronics and Telecommunication Engineering and Master of Business Administration (MBA), Ph.D in Information and Communication Engineering, besides several professional certificates and skills. He is currently lecturing with the department of Electrical and Information Engineering at Covenant University, Ota, Ogun State, Nigeria. He is a member of the Nigeria Society of Engineers and the Institute of Electrical and Electronics Engineers (IEEE). His research areas of interest include Biometrics, Artificial Intelligent, and Digital signal Processing. He can be contacted at email: kennedy.okokpujie@covenantuniversity.edu.ng. |