REFERENCES

This guide is prepared based on the following references;

Abdul Rahim, S. R., Abdul Rahman, T. K., Musirin, I., Hussain, M. H., Sulaiman, M. H., Aliman, O. and Mat Isa, Z. 2010. Implementation of DG for loss minimization and voltage profile in distribution system. *The 4th International Power Engineering and Optimization Conference (PEOCO2010).*

Abdul Rahim, S. R., Azmi, S. A., Mohd Herwan Sulaiman, M. H., Muhamad Hatta Hussain, M. H. and Zawawi, S. N. B. 2009. A study on optimization techniques for the sizing of DG in distribution System. *International Conference of Electrical Energy and Industrial Electronic Systems.*

Abu-Mouti, F. S. and El-Hawary, M. E. 2011. Heuristic curve-fitted technique for distributed generation optimisation in radial distribution feeder systems. *Generation, Transmission & Distribution, IET.* **5**(2): 172-180.

Ackermann, T., Andersson, G. and Soder, L. 2001. Distributed generation: a definition. *Electric Power Systems Research.* **57**(3): 195-204.

Adeli, H. and Jiang, X. 2003. Neuro-Fuzzy Logic Model for Freeway Work Zone Capacity Estimation. *Journal of Transportation Engineering.* **129**(5): 484-493.

Adeli, H. and Jiang, X. 2006. Dynamic Fuzzy Wavelet Neural Network Model for Structural System Identification. *Journal of Structural Engineering.* **132**(1): 102-111.

Aghaebrahimi, M. R., Amiri, M. and Zahiri, S. H. Year. An immune-based optimization method for distributed generation placement in order to minimize power losses. *In:* International Conference on Sustainable Power Generation and Supply, 2009. 1-6.

Alhajri, M. F. and El-Hawary, M. E. 2007. Improving the voltage profiles of distribution networks using multiple distribution generation sources. *Large Engineering Systems Conference on Power Engineering.*

Alvarado, F. L. 2001. Locational aspects of distributed generation. *IEEE Power Engineering Society Winter Meeting,*.

Atwa, Y. M., El-Saadany, E. F. and Guise, A. C. 2010. Supply adequacy assessment of distribution system including wind-based DG during different modes of operation. *IEEE Transactions on Power Systems*. **25**(1): 78-86.

Balaguer, I. J., Qin, L., Shuitao, Y., Supatti, U. and Fang Zheng, P. 2011. Control for grid-connected and intentional islanding operations of distributed power generation. *IEEE Transactions on Industrial Electronics.* **58**(1): 147-157.

Baran, M. E. and Wu, F. F. 1989. Network reconfiguration in distribution systems for loss reduction and load balancing. *IEEE Transactions on Power Delivery.* **4**(2): 1401-1407.

Barker, P., Leskan, T., Zaininger, H. and Smith, D. 1998. Integration of distributed resources in electric utility systems: current interconnection practice and unified approach. Palo Alto, CA: Electric Power Research Institute.

Bayod, A. A., Dominguez, J. A., Mur, J. and Melero, J. J. 2002. Combined system for reactive power control in wind farms. *IEEE 28th Annual Conference of Industrial Electronics Society.*

Borbely, A. M. and Krieder, J. K. 2001. *Distributed Generation: the power paradigm for the new Millenium*, CRC Press LLC.

Borges, C. L. T. and Falcao, D. M. 2003. Impact of distributed generation allocation and sizing on reliability, losses and voltage profile. *Proc. of IEEE Bologna Power Tech. Conference.*

Brown, R. E. and Freeman, L. A. A. 2001. Analyzing the reliability impact of distributed generation. *Power Engineering Society Summer Meeting.*

Brown, R. E., Jiuping, P., Xiaorning, F. and Koutlev, K. 2001. Siting distributed generation to defer T&D expansion. *Transmission and Distribution Conference and Exposition, 2001 IEEE/PES.*

Chiradeja, P. 2005. Benefit of distributed generation: a line loss reduction analysis. *IEEE/PES Transmission and Distribution Conference and Exhibition: Asia and Pacific.*

Chowdhury, A. A., Agarwal, S. K. and Koval, D. O. 2003. Reliability modeling of distributed generation in conventional distribution systems planning and analysis. *IEEE Transactions on Industrial Electronics.* **39**(5): 1493-1498.

Dasan, S. G. B., Ramalakshmi, S. S. and Devi, R. P. K. 2009 Optimal siting and sizing of hybrid distributed generation using EP. *Third International Conference on Power Systems.*

Devender, S., Misra, R. K. and Deependra, S. 2007. Effect of load models in distributed generation planning. *IEEE Transaction on Power Systems.* **22**(4): 2204-2212.

Dondi, P., Bayoumi, D., Haederli, C., Julian, D. and Suter, M. 2002. Network integration of distributed power generation. *Journal of Power Sources.* 106(1-2): 1-9.

El-Khattam, W., Hegazy, Y. G. and Salama, M. M. A. 2003. Stochastic power flow analysis of electrical distributed generation systems *IEEE Power Engineering Society General Meeting.*

Epri 2001. Integrating Distributed Resources into Electric Utility Distribution Systems Palo Alto,CA: Electric Power Research Institute.

Epri 2003. Installation, operation and maintenance costs for distributed generation technologies. Palo Alto, CA: Electric Power Research Institute.

Falaghi, H. and Haghifam, M. R. 2007. ACO based algorithm for distributed generation sources allocation and sizing in distribution systems. *IEEE Power Technology.*

Ghosh-Dastidar, S., Adeli, H. and Dadmehr, N. 2007. Mixed-band wavelet-chaos-neural network methodology for epilepsy and epileptic seizure detection. *IEEE Transaction on Biomedical Engineering* **54**(9): 1545-1551.

Greatbanks, J. A., Popovic, D. H., Begovic, M., Pregelj, A. and Green, T. C. 2003. On optimization for security and reliability of power systems with distributed generation. *IEEE Bologna Power Tech Conference Proceedings.*

Haghifam, M. R., Falaghi, H. and Malik, O. P. 2008. Risk-based distributed generation placement. *IET Generation, Transmission & Distribution.* **2**(2): 252-260.

Hansen, U. 1998. Technological options for power generation. 1 April 1998.

Hao, T. J., Syh, L. T. and Hwa, L. Y. 2002. Strategic distributed generator placements for service reliability improvements. *IEEE Power Engineering Society Summer Meeting.*

Harisson, G. P. and Wallace, A. R. 2005. OPF evaluation of distribution network capacity for the connection of distributed generation. *Proceedings Inst. Elect. Eng. Gen. Trans. Dist.* **152**(1): 115-122.

Hedayati, H., Nabaviniaki, S. A. and Akbarimajd, A. 2008. A method for placement of DG units in distribution networks. *IEEE Transaction on Power Delivery.* **23**(3): 1620-1628.

In-Su, B., Jin, O. K., Jae-Chul, K. and Singh, C. 2004. Optimal operating strategy for distributed generation considering hourly reliability worth. *Power Systems, IEEE Transactions on.* 19(1): 287-292.

Jenkins, N., Allan, R., Crossley, P., Kirschen, D. and Strbac, G. 2000. *Embedded Generation,* United Kingdom, The Institution of Engineering and Technology.

Jiang, X. and Adeli, H. 2008. Neuro-genetic algorithm for nonlinear active control of high rise buildings. *International Journal for Numerical Methods in Engineering.* **75**(8): 770-786.

Jones, M., Tutt, T., Mike Smith, White, L., Sugar, J., Soinski, A. and Beyer., J. 2007. Distributed generation and cogeneration policy roadmap for California. California Energy Commission.

Kashem, M. A., Le, A. D. T., Negnevitsky, M. and Ledwich, G. 2006. Distributed generation for minimization of power losses in distribution systems. *IEEE Power Engineering Society General Meeting.*

Kennedy, J. and Eberhart, R. 1995. Particle swarm optimization. *IEEE International Conference on Neural Networks*

Kyu-Ho, K., Yu-Jeong, L., Sang-Bong, R., Sang-Kuen, L. and Seok-Ku, Y. 2002. Dispersed generator placement using fuzzy-GA in distribution systems. *IEEE Power Engineering Society Summer Meeting.*

Lee, S. H. and Park, J. W. 2009. Selection of optimal location and size of multiple distributed generation by using Kalman Filter Algorithm. *IEEE Trans. Power Systems.* **24**(3): 1393-1400.

Lin, J. and Wang, X. 2010. Reliability evaluation for distribution system with distributed generation. *Power and Energy Engineering Conference: Asia-Pacific.*

Mendez, V. H., Rivier, J., De La Fuente, J. I., Gomez, T., Marin, J. and Madurga, A. 2006. Impact of distributed generation on distribution investment deferral. *International Journal of Electrical Power & Energy Systems.* **28**(4): 244-252.

Minnan, W. and Jin, Z. 2011. A novel method for distributed generation and capacitor optimal placement considering voltage profiles. *IEEE Power and Energy Society General Meeting.*

Mithulananthan, N., Oo, T. and Phu, L. V. 2004. Distributed generator placement in power distribution system using genetic algorithm to reduce losses. *The Thammasat International Journal of Science and Technology.* **9**(3): 55-62.

Musirin, I. 2003a. *New techniques for voltage stability assessment and improvement in power system.* Ph.D Thesis. University Technology MARA Shah Alam, Malaysia.

Musirin, I. 2003b. *New techniques for voltage stability assessment and improvement in power system.* Ph.D. Thesis. Universiti Teknologi MARA Shah Alam, Malaysia.

N.Archarya, P.Mahat and N.Mithulananthany 2006. An analytical approach for DG allocation in primary distribution network. *International Journal of Electrical Power & Energy Systems.* 28(10): 669-678.

Nara, K., Hayashi, Y., Ikeda, K. and Ashizawa, T. 2001. Application of tabu search to optimal placement of distributed generators. *IEEE Power Engineering Society Winter Meeting.*

Nerves, A. C. and Roncesvalles, J. C. K. 2009. Application of evolutionary programming to optimal sitting and sizing and optimal scheduling of distributed generation. *Proceedings of 10 IEEE Region Conferences.*

Pansini, A. J. 2007. *Electrical Distribution Engineering,* Lilburn, GA, The Fairmont Press, Inc.

Pepermans, G., Driesen, J., Haeseldonckx, D., Belmans, R. and D'haeseleer, W. 2005. Distributed Generation: Definition , Benefits and Issues. **33**(6): 787-798.

Rahman, S. 2003. Green Power: what is it and where can we find it? *IEEE Power&Energy Magazine,* January: 20.

Raj, P. A., Senthilkumar, S., Raja, J., Ravichandran, S. and Palanivelu, T. G. 2008. Optimization of distributed generation capacity for line loss reduction and voltage profile inprovement using PSO. *Journal of Electrical Engineering.* **10**(2): 41-48.

Rau, N. S. and Wan, Y. H. 1994. Optimum location of resources in distributed planning. *IEEE Transactions on Industrial Electronics.* **9**(4): 2014-2020.

Sedighizadeh, M. and Rezazadeh, A. 2008. Using genetic algorithm for distributed generation allocation to reduce losses and improve voltage profile. *Proceedings of World Academy and Science Conference on Engineering and Technology.*

Senjyu, T., Miyazato, Y., Yona, A., Urasaki, N. and Funabashi, T. 2008. Optimal distribution voltage control and coordination with distributed generation. *IEEE Transactions on Industrial Electronics.* **23**(2): 1236-1242.

Short, T. A. 2004. *Electric Power Distribution Handbook*, CRC Press.

Slootweg, J. G. and Kling, W. L. 2003. Is the answer blowing in the wind? *IEEE Power&Energy Magazine November/December.*

Sulaiman, M. H., Aliman, O., Abdul Rahim, S. R. and Adzman, M. R. 2009. Determination of optimal allocation of embedded generation in distribution networks using genetic algorithm technique. *International Conference of Electrical Energy and Industrial Electronic Systems.*

Wang, C. and Nehrir, M. H. 2004. Analytical approaches for optimal placement of distributed generation sources in power systems. *IEEE Transactions on Power Systems.* **19**(4): 2068 - 2076.

Willis, H. L. 2000. Analytical methods and rules of thumb for modeling DG-distribution interaction. *IEEE Power Engineering Society Summer Meeting.*

Willis, H. L. and Scott, W. G. 2000. *Distributed Power Generation: Planning and Evaluation,* Florida, CRC Press Taylor and Francis Group.

Zyl, S. J. V. and Gaunt, C. T. 2003. Control strategies for distributed generation operation on weak distribution networks. *IEEE Bologna Power Tech Conference.*