REFERENCES

A.J. Wood, B. F. W. (1996). *Power generation, operation and control*. New York: John Willey and Sons.

Abido, M. A. (2001). A New Multiobjective Evolutionary Algorithm for Environmental / Economic Power Dispatch. *Constraints*, *00*(C), 1263–1268.

Abido, M. a. (2009). Multiobjective particle swarm optimization for environmental/economic dispatch problem. *Electric Power Systems Research*, *79*(7), 1105–1113. http://doi.org/10.1016/j.epsr.2009.02.005

Alrashidi, M. R. (2008). Impact of Loading Conditions on the Emission- Economic Dispatch, *2*(3), 133–136.

Aydin, D., Özyön, S., Yaşar, C., & Liao, T. (2014). Artificial bee colony algorithm with dynamic population size to combined economic and emission dispatch problem. *International Journal of Electrical Power & Energy Systems*, *54*, 144–153. http://doi.org/10.1016/j.ijepes.2013.06.020

Balamurugan, R., & Subramanian, S. (2007). A Simplified Recursive Approach to Combined Economic Emission Dispatch. *Electric Power Components and Systems*, *36*(1), 17–27. http://doi.org/10.1080/15325000701473742

Balamurugan, R., & Subramanian, S. (2008). An Improved Dynamic Programming Approach to Economic Power Dispatch with Generator Constraints and Transmission Losses. *Journal of Electrical Engineering & Technology*, *3*(3), 320–330.

Basu, M. (2005). A simulated annealing-based goal-attainment method for economic emission load dispatch of fixed head hydrothermal power systems. *International Journal of Electrical Power and Energy Systems*, *27*(2), 147–153. http://doi.org/10.1016/j.ijepes.2004.09.004

Basu, M. (2011a). Economic environmental dispatch using multi-objective differential evolution. *Applied Soft Computing Journal*, *11*(2), 2845–2853. http://doi.org/10.1016/j.asoc.2010.11.014

Basu, M. (2011b). Economic environmental dispatch using multi-objective differential evolution. *Applied Soft Computing Journal*. http://doi.org/10.1016/j.asoc.2010.11.014

Bhattacharya, A., & Chattopadhyay, P. K. (2011). Solving economic emission load dispatch problems using hybrid differential evolution. *Applied Soft Computing Journal*, *11*(2), 2526–2537. http://doi.org/10.1016/j.asoc.2010.09.008

Brodsky, S. F. J., & Hahn, R. W. (1986). Assessing the Influence of Power Pools on Emission Constrained Economic Dispatch. *IEEE Power Engineering Review*, *PER-6*(2), 30–31.

Chowdhury, B. H., & Rahman, S. (1990). A review of recent advances in economic dispatch. *Power Systems, IEEE Transactions on*, *5*(4), 1248–1259. http://doi.org/10.1109/59.99376

Deb, K., Pratap, A., Agarwal, S., & Meyarivan, T. (2002). A fast and elitist

multiobjective genetic algorithm: NSGA-II. *IEEE Transactions on Evolutionary Computation*, *6*(2), 182–197. http://doi.org/10.1109/4235.996017

Dhanalakshmi, S., Kannan, S., Mahadevan, K., & Baskar, S. (2011). Application of modified NSGA-II algorithm to Combined Economic and Emission Dispatch problem. *International Journal of Electrical Power and Energy Systems*, *33*(4), 992–1002. http://doi.org/10.1016/j.ijepes.2011.01.014

Dos Santos Coelho, L., & Viviana Cocco, M. (2006). Combining of chaotic differential evolution and quadratic programming for economic dispatch optimization with valve-point effect. *IEEE Transactions on Power Systems*, *21*(2), 989–996. http://doi.org/10.1109/TPWRS.2006.873410

Dubey, H. M., Pandit, M., & Panigrahi, B. K. (2015). A Biologically Inspired Modified Flower Pollination Algorithm for Solving Economic Dispatch Problems in Modern Power Systems. *Cognitive Computation*. http://doi.org/10.1007/s12559-015-9324-1

Emmanuel Dartey Manteaw, D. N. A. O. (2012). Combined Economic and Emission Dispatch Solution Using ABC_PSO Hybrid Algorithm with Valve Point Loading Effect. *International Journal of Scientific and Research Publications*, *2*(12).

Farag, A., Al-Baiyat, S., & Cheng, T. C. (1995). C2_N023FN_20130909_SLP2014_Handbook.pdf. *Power Systems, IEEE Transactions on*, *10*(2), 731–738. Retrieved from http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=387910

Gent, M. R., & Lamont, J. W. (1972). Minimum-emission dispatch. *IEEE Transactions on Power Apparatus and Systems*, *PAS-90*(6), 2650–2660. http://doi.org/10.1109/TPAS.1971.292918

Gnanadass, R., Padhy, N. P., & Manivannan, K. (2004). Assessment of available transfer capability for practical power systems with combined economic emission dispatch. *Electric Power Systems Research*, *69*(2-3), 267–276. http://doi.org/10.1016/j.epsr.2003.10.007

Guvenc, U. (2010). Combined economic emission dispatch solution using genetic algorithm based on similarity crossover. *Scientific Research and Essays*, *5*(17), 2451–2456. Retrieved from http://www.academicjournals.org/sre/PDF/pdf2010/4Sep/Guvenc.pdf

Güvenç, U., Sönmez, Y., Duman, S., & Yörükeren, N. (2012). Combined economic and emission dispatch solution using gravitational search algorithm. *Scientia Iranica*, *19*(6), 1754–1762. http://doi.org/10.1016/j.scient.2012.02.030

Happ, H. H. (1977). Optimal Power Dispatch-A C Comprehensive Survey. *Transactions on Power Apparatus and System*, *PAS-96*(3). http://doi.org/10.1109/T-PAS.1977.32397

Hassan, D. M. Y. (2007). *Power system control* (2nd ed.). Universiti Teknologi Malaysia: Dekstop Publisher.

Hsiao, Y. T., Chiang, H. D., Liu, C. C., & Chen, Y. L. (1994). Computer package for optimal multi-objective VAR planning in large scale power systems. *IEEE Transactions on Power Systems*, *9*(2), 668–676. http://doi.org/10.1109/59.317676

Kaushal, R. K., & Ahamad, I. (2015). Study On Combined Economic-Emission

Dispatch Of Thermal-Hydro Power Generation SystemS, *07*(01), 170–179.

Keshmiri, S. N. (2011). Probabilistic Economic Dispatch Of Generation Units Considering Environmental Aspects. *ProQuest*.

Kirchmayer L. K. (1958). *Economic operation of power systems* (99th ed.). Inc. New York: John Wiley and Sons.

Kothari D. P. and Dhillon J. S. (2011). *Power System Optimization* (Second). PHI learning Private limited.

Krishnamurthy, S., & Tzoneva, R. (2013). Investigation on the Impact of the Penalty Factors over Solution of the Dispatch Optimization Problem, 851–860.

Kumar, N., Parmar, K. P. S., & Dahiya, S. (2012). Optimal Solution of Combined Economic Emission Load Dispatch using Genetic Algorithm. *International Journal of Computer Applications*, *48*(15), 15–20. http://doi.org/10.5120/7424-0410

Liang, Z.-X., & Glover, J. D. (1992). A zoom feature for a dynamic programming solution to economic dispatch including transmission losses. *Power Systems, IEEE Transactions on*, *7*(2; applied during the iterative process in order to converge to the economic dispatch solution with low computer time and storage requirements, Dynamic programming including a short-term load forecast; briefly discussed. A three-generator exampl(TRUNCATED), 544–550. http://doi.org/10.1109/59.141757

Lin, W., Cheng, F., & Tsay, M. (2002). An Improved Tabu Search for Economic Dispatch. *Power*, *17*(1), 108–112. http://doi.org/10.1109/59.982200

Lu, Y., Zhou, J., Qin, H., Wang, Y., & Zhang, Y. (2011). Environmental/economic dispatch problem of power system by using an enhanced multi-objective differential evolution algorithm. *Energy Conversion and Management*, *52*(2), 1175–1183. http://doi.org/10.1016/j.enconman.2010.09.012

Mishra, N., & Pandit, M. (2013). Economic Emission Dispatch Using Weighted Sum Based PSO with Fuzzy Decesion Making.

Park, J.-B., Lee, K.-S., Shin, J.-R., & Lee, K. Y. (2005). A Particle Swarm Optimization for Economic Dispatch With Nonsmooth Cost Functions. *IEEE Transactions on Power Systems*, *20*(1), 34–42. http://doi.org/10.1109/TPWRS.2004.831275

Pavlyukevich, I. (2007). Lévy Flight, non local search and simulated annealing. *J.Computational Physics*, *226*, 1830–1844.

R.Ramanathan. (1994). Emission Constrained Economic Dispatch, *9*(4), 1994–2000.

Rajasomashekar, S., & Aravindhababu, P. (2012). Biogeography based optimization technique for best compromise solution of economic emission dispatch. *Swarm and Evolutionary Computation*, *7*, 47–57. http://doi.org/10.1016/j.swevo.2012.06.001

Rajkumar M. (2014). Combined Economic Emission Dispatch Using Modified Multi-Objective Genetic Algorithm, (August).

Ravi, G., Chakrabarti, R., & Choudhuri, S. (2006). Nonconvex Economic Dispatch with Heuristic Load Patterns Using Improved Fast Evolutionary Program. *Electric Power Components and Systems*, *34*(1), 37–45.

http://doi.org/10.1080/15325000691001430

Resek, J., Le, K. D., Golden, J. L., Stansberry, C. J., Vice, R. L., Wood, J. T., ... Cauley, G. W. (1995). Potential impacts of clean air regulations on system operations. *IEEE Transactions on Power Systems*, *10*(2), 647–656. http://doi.org/10.1109/59.387899

Serapião, A. B. S. (2013). Cuckoo Search for Solving Economic Dispatch Load Problem, *2013*(November), 385–390.

Singh, L., & Dhillon, J. S. (2009). Cardinal priority ranking based decision making for economic-emission dispatch problem. *Science And Technology*, *1*(1), 272–282.

Srinivasan, D., Chang, C. S., & Liew, A. C. (1994). Multiobjective generation scheduling using fuzzy optimal search technique. *IEE Proceedings - Generation, Transmission and Distribution*, *141*(3), 233. http://doi.org/10.1049/ip-gtd:19949943

Srinivasan, D., & Tettamanzi, A. G. B. (1997). An evolutionary algorithm for evaluation of emission compliance options in view of the Clean Air Act Amendments. *Power Systems, IEEE Transactions on*, *12*(1), 336–341. http://doi.org/10.1109/59.574956

Sulaiman, M. H. (2013). An Application of Differential Search Algorithm in Solving Non-Convex Economic Dispatch Problems with Valve-Point Effects. *International Review on Modelling and Simulations (IREMOS)*, *6*(5).

Talaq, J. H., Ferial, & El-Hawary, M. E. (1994). Summary of environmental/economic dispatch algorithms. *IEEE Transactions on Power Systems*, *9*(3), 1508–1516. http://doi.org/10.1109/59.336110

Thakur, T., Sem, K., Saini, S., & Sharma, S. (2006). A Particle swarm optimization solution to NO2 and SO2 emissions for environmentally constrained economic dispatch problem. *2006 IEEE PES Transmission and Distribution Conference and Exposition: Latin America, TDC'06*, *00*. http://doi.org/10.1109/TDCLA.2006.311399

Thi, N., Thao, P., & Thang, N. T. (2014). Environmental Economic Load Dispatch with Quadratic Fuel Cost Function Using Cuckoo Search Algorithm, *7*(2), 199–210.

Venkatesh, P., Gnanadass, R., & Padhy, N. P. (2003). Comparison and application of evolutionary programming techniques to combined economic emission dispatch with line flow constraints. *IEEE Transactions on Power Systems*, *18*(2), 688–697. http://doi.org/10.1109/TPWRS.2003.811008

Walters, D. C., & Sheble, G. B. (1993). Genetic algorithm solution of economic dispatch with valve point loading. *IEEE Transactions on Power Systems*, *8*(3), 1325–1332. http://doi.org/10.1109/59.260861

Wong, K. P., & Fung, C. C. (1993). Simulated annealing based economic dispatch algorithm. *Generation, Transmission and Distribution ...*, *140*(6), 509. http://doi.org/10.1049/ip-c.1993.0074

Wong, L. I., Sulaiman, M. H., Mohamed, M. R., & Hong, M. S. (2014). Grey Wolf Optimizer for Solving Economic Dispatch Problems, (1), 150–154.

Wood A. J. and Wollenberg B. F. (1996). *Power generation, operation and control* (2nd

ed.). Inc. New York, USA: John Wiley and Sons Ltd.

Wu, L. H., Wang, Y. N., Yuan, X. F., & Zhou, S. W. (2010). Environmental/economic power dispatch problem using multi-objective differential evolution algorithm. *Electric Power Systems Research*, *80*(9), 1171–1181. http://doi.org/10.1016/j.epsr.2010.03.010

Xin-She, Y. (2012). Flower Pollination Algorithm for Global Optimization. *Unconventional Computation and Natural Computation*, *7445*, 240–249.

Yalçınöz, T., & Altun, H. (n.d.). Environmentally Constrained Economic Dispatch Via Neural Networks. *Simulation*, (x).

Yang, H. T., Yang, P. C., & Huang, C. L. (1996). Evolutionary programming based economic dispatch for units with non-smooth fuel cost functions. *IEEE Transactions on Power Systems*, *11*(1), 112–118. http://doi.org/10.1109/59.485992

Yang, X. S., Hosseini, S. S. S., & Gandomi, A. H. (2012). Firefly Algorithm for solving non-convex economic dispatch problems with valve loading effect. *Applied Soft Computing Journal*, *12*(3), 1180–1186. http://doi.org/10.1016/j.asoc.2011.09.017

Yokoyama, R., Bae, S. H., Morita, T., & Sasaki, H. (1987). Multiobjective Optimal Generation Dispatch Based on Probability Security Criteria. *IEEE Transactions on Power Systems*, *3*(1), 317–324. http://doi.org/10.1109/59.43217

APPENDIX D
LIST OF PUBLICATIONS

Hong Mee Song, Mohd Herwan Sulaiman, Mohd Rusllim Mohamed, *An Application of Flower Pollination Algorithm to Solve Combined Economic Emission Dispatch by Considering Valve-Point Loading Effect*, International Review on Modelling and Simulations (IREMOS), Vol 8, No. 4, pp. 427-435 (2015). Abs./Ind.: SCOPUS.

Hong Mee Song, Mohd Herwan Sulaiman, Mohd Rusllim Mohamed, An Application of Grey Wolf Optimizer for Solving Combined Economic Emission Dispatch Problems, International Review on Modelling and Simulations (IREMOS), Vol 7, No. 5, pp. 838-844 (2014). Abs./Ind.: SCOPUS.

Wong Lo Ing, **Hong Mee Song**, Mohd Herwan Sulaiman, Mohd Rusllim Mohamed, *Grey Wolf Optimizer for Economic Dispatch*, PECON 2014, Kuching, Sarawak.

Hong Mee Song, Mohd Herwan Sulaiman, Mohd Rusllim Mohamed, *Grey Wolf Optimizer Technique to Solve Combined Economic Emission Dispatch (CEED) Problem*, The Asian Conference on Society, Education & Technology 2014 (ACSET 2014), Osaka, Japan, 28 October - 2 November 2014.

M. S. Hong, M. H. Sulaiman, M. R. Mohamed, L. I. Wong, *Comparative Study of Economic Dispatch by Using Various Optimization Techniques*, 2nd Power and Energy Conversion Symposium, (PECS) 2014, Utem, Melaka, 12 May 2014.