

Bibliography

- [1] D.G. Luenberger,. Microeconomics theory, 1995.
- [2] F.C. Schweppe, M.C. Caramanis, R.D. Tabors, and R.E. Bohn,. "Spot pricing of electricity",,, kluwer academic publishers edition, 1988.
- [3] O. Alsac and B. Stott,. "Optimal load flow with steady state security",. *IEEE Trans. on Power Systems*, 93:pp. 745–751, 1974.
- [4] E.V. Gracia and J.E. Runnells,. "The utility perspective of spot pricing",. *IEEE Transactions on Power Apparatus and Systems*, vol. PAS-104, no. 6:pp. 1391–1393, June 1985.
- [5] A.K. David,. "Optimal consumer response for electricity spot pricing",. *IEE Proc. Gener, Transm and Distrib*, vol. 135, no. 5,:pp. 378–384, 1988.
- [6] M.L. Baughman and S.N. Siddiqu,. "Real time pricing of reactive power: Theory and case study results",. *IEEE Trans. on Power Systems*, vol. 6, no.1,, Feb. 1993.
- [7] S.K. Joshi,. "*Voltage stability and contingency selection studies in electric power systems*". PhD thesis, Indian Institute of technology, Kanpur, 1995.
- [8] J. Kennedy and R. Eberhart,. "Particle swarm optimization". In *Proc. of the IEEE international conference on neural networks*, pages 1942–1948, 1995.
- [9] "Available transfer capability definitions and determination",. Transmission Transfer Capability Task Force,, North American Reliability Council, Princeton, New Jersey,, 1996.
- [10] "Appendix 3a- Interchange Transactions and Schedules",, Jan. 1998.

- [11] H. Singh, S. Hao and A. Papalexopoulos,. "Transmission congestion management in competitive electricity markets",. *IEEE Trans. on Power Systems*, vol. 13, no. 2,;pp. 672–680, May 1998.
- [12] Darish Shirmohammadi,. "Transmission dispatch and congestion management in the emerging energy market structures",. *IEEE Trans. on Power Systems*, vol. 13, no. 4,;pp. 1466–1474,, Nov. 1998.
- [13] G.C. Ejebe, J. Tong, J.G. Waight, J.G. Frame, X. Wang and W.F. Tinney,. "Available transfer capability calculations". *IEEE Trans. on Power Systems*, vol. 13, no. 4;pp. 1521–1527, 1998.
- [14] F.D. Galiana and M. Ilic,. "A mathematical framework for the analysis and management of power transactions under open access",. *IEEE Trans. on Power Systems*, vol. 13, no. 2,;pp. 681–687, May 1998.
- [15] F. Rahimi, T. Schneider, D. Shirmohammadi, B. Wollenberg, A. Vojdani, P. Sandrin, M. Pereira, and B. Stott,. "Transmission dispatch and congestion management in the emerging energy market structures",. *IEEE Trans. on Power Systems*, vol. 13, no. 4,;pp. 1466–1476, Nov. 1998.
- [16] "Transmission capability margins and their use in atc determination", white paper, available transfer capability working group, the north american electric reliability council, June 17, 1999.
- [17] E.J. de Oliveira, J.W. Marangon Lima and J.L.R Pereira,. "Flexible ac transmission system devices: allocation and transmission pricing",. *International Journal of Electrical Power & Energy Systems*, vol. 21,;pp. 111–118, 1999.
- [18] R.S. Fang and A.K. David,. "Transmission congestion management in an electricity market",. *IEEE Trans. on Power Systems*, vol. 14, no. 3,;pp. 877–883, August 1999.
- [19] M.H. Gravener and C. Nwankpa,. "Available transfer capability and first order sensitivity",. *IEEE Trans. on Power Systems*, vol. 14, no. 2;pp. 512–518, 1999.

- [20] S. Takayama, H. Yoshida,, Y. Fukuyama and Y. Nakanishi,. "A particle swarm optimization for reactive power and voltage control in electric power systems considering voltage security assessment". In *Proc. of IEEE International Conference on Systems, Man, and Cybernetics*, pages 497–502, 1999.
- [21] D. Shirmohammadi, C. Rajagopalan, E. R. Alward, and C. L. Thomas,. "Cost of transmission transactions: An introduction",. *IEEE Trans. on Power Systems*, vol. 6, no. 5,;pp. 1006–1016, Aug. 1999.
- [22] L. Gyugyi, K.K. Sen and C.D. Schauder,. "The interline power flow controller concept: A new approach to power flow management in transmission system". *IEEE Trans. on Power Delivery*, vol. 14, no. 3;pp. 1115–1122, July 1999.
- [23] Jung UK Lim and Seung Moon,. "Upfc operaiton for the minimization of power production and delivery costs",. In *proc. of IEEE summer meeting*, 2000.
- [24] Lin Whei-Min, Chen shi Jaw and Su Yuh-Sheng,. "An application of interior-point based opf for system expansion with facts devices in a deregulated environment",. In *Proc. of IEEE conference*, 2000.
- [25] H. Yoshida, K. Kawata, Y. Fukuyama, S. Takayama, and Y. Nakanishi,. "A particle swarm optimization for reactive power and voltage control considering voltage security assessment",. *IEEE Trans. on Power Systems*, vol. 15, no. 4;pp.1232–1239, 2000.
- [26] S.C. Srivastava and R.K. Verma,. "Impact of facts devices on transmission pricing in a deregulated electricity market",. In *Proc. of IEEE international conference on electric utility deregulation and restructuring and power technologies*, pages 642–648, April 2000.
- [27] A.A. Abido,. "Particle swarm optimization for multimachine power system stabilizer design",. In *Proc. of IEEE Power Engineering Society Summer Meeting*, pages 1346–1351, 2001.
- [28] A.A Sallam A.I. El-Gallad, M. El-Hawary and A. Kalas,. "Swarm intelligence for hybrid cost dispatch problem",. In *Proc. of Canadian conference on Electrical and Computer Engineering*, pages 753–757, 2001.

- [29] S. Gerbex, R. Cherkaoui and A.J. Germond,. "Optimal location of multi-type facts devices in a power system by means of genetic algorithms",. *IEEE Trans. on Power Systems*, vol. 16, no. 3,:pp. 537–544, 2001.
- [30] Y. Fukuyama,. "State estimation and optimal setting of voltage regulator in distribution systems",. In *Proc. of IEEE Power Engineering Society Winter Meeting*, 2001.
- [31] Y. Fukuyama and H. Yoshida,. "A particle swarm optimization for reactive power and voltage control in electric power systems",. In *Proc. of the 2001 congress on Evolutionary Computation*, pages 87–93, 2001.
- [32] Y.M. Koichi Nara,. "Particle swarm optimization for fault state power supply reliability enhancement",. In *Proc. of the Intelligent System Application to Power Systems*, pages 143–147, 2001.
- [33] A.I. El-Gallad, M. El-Hawary, A.A Sallam, and A. Kalas,. "Swarm-intelligently trained neural network for power transformer protection",. In *Proc. of Canadian Conference on Electrical and Computer Engineering*, pages 265–269, 2001.
- [34] K.S. Verma, S.N. Singh and H.O. Gupta,. "FACTS device location for enhancement of total transfer capability". In *Proc. of IEEE Power Engineering Society Winter Meeting*, pages 522–527, 2001.
- [35] S.N. Singh and A.K. David,. "Optimal location of facts devices for congestion management",. *Electric Power Systems Research*, vol. 58:pp. 71–79, 2001.
- [36] H. Yoshida, K. Kawata, Y. Fukuyama, S. Takayama, and Y. Nakanishi,. "A particle swarm optimization for reactive power and voltage control considering voltage security assessment". In *Proc. of IEEE power engineering society winter meeting*, pages 498–504, 2001.
- [37] K. Xie and Y.H. song,. "Power market oriented optimal power flow via an interior point method",. *IE Gene. Transm and Distrib.*, vol. 148, no. 6,:pp. 549–556, 2001.
- [38] K.G. Upadhyay, S.N. Singh, D.S. Chauhan, and G.S. Srivastava,. "Assessment of OLTC transformer taps on reactive power pricing in competitive power market",. In *Proc. of international power engineering conference (IPEC)*, pages 17–19, May 2001.

- [39] M.A. Abido,. "Optimal design of power system stabilizers using particle swarm optimization",. *IEEE Trans. on Energy Conversion*, vol. 17, no. 3,:pp. 406–413, 2002.
- [40] A.A Sallam A.I. El-Gallad, M. El-Hawary and A. Kalas,. "Particle swarm optimizer for constrained economic dispatch with prohibited operating zones",. In *Proc. of Canadian conference on Electrical and Computer Engineering*, pages 78–81, 2002.
- [41] R.F. Chang and C.N. Lu,. "Feeder reconfiguration for load factor improvement",. In *Proc. of IEEE Power Engineering Society Winter Meeting*, pages 980–984, 2002.
- [42] N. Hirata, A. Ishigame and H. Nishigaito,. "Neuro stabilizing control based on lyapunov method for powr system",. In *Proc. of the 41st SICE Annual Conference*, pages 3169–3171, 2002.
- [43] B.J. kirby and J.W. Van Dyke,. "Congestion management requirements, methods and performance indices",. www.osti.gov/bridge, June, 2002.
- [44] V. Miranda and N. Fonseca,. "Epso-best of two-words meta-heuristic applied to power system problems". In *Proc. of the 2002 congress on Evolutionary Computation*, pages 1080–1085, 2002.
- [45] V. Miranda and N. Fonseca,. "Epso-evolutionary particle swarm optimization, a new algorithm with applications in power systems". In *Proc. of IEEE/PES Transmission and Distribution Conference and Exhibition*, pages 745–750, 2002.
- [46] I.N. Kassabalidis, M.A. El-Sharkawi, R.J. Marks II, L.S. Moulin, and A.P.ves da Silva,. "Dynamic security border identification using enhanced particle swarm optimization",. *IEEE Trans. on Power Systems*, vol. 17, no. 3,:pp. 723–729, 2002.
- [47] P.S. Sensarma, M. Rahmani and A. Carvalho,. "A comprehensive method for optimal expension planning using particle swarm optimization",. In *Proc. of IEEE Power Engineering Society Winter Meeting*, 2002.
- [48] C.C. Shen and C.N. Lu,. "Feeder reconfiguration for power quality requirement and feeder service quality matching",. In *Proc. of IEEE/PES Transmission and Distribution Conference and Exhibition 2002: Asia Pacific*, pages 226–231, 2002.

- [49] T. Okada, T. Watanabe and K. Yasuda,. "Parameter tuning of fixed structure controller for power system stability enhancement",. In *Proc. of IEEE/PES Transmission and Distribution Conference and Exhibition*, pages 162–167, 2002.
- [50] M.A. Abido,. "Optimal power flow using particle swarm optimization",. *International Journal of Electrical Power & Energy Systems*, vol. 24, no. 7,;pp. 563–571, Oct. 2002.
- [51] Y.L. Abdel-Magid and M.A. Abido,. "AGC tuning of interconnected reheat thermal systems with particle swarm optimization",. In *Proc. of 10th IEEE International Conference on Electronics, Circuits and Systems*, pages 376–379, 2003.
- [52] N.A. Al-Musabi, Z.M. Al-Hatnouz, H.N. Al-Duwaish, and S. Al-Baiyat,. "Variable structure load frequency controller using particle swarm optimization techniques",. In *Proc. of the 10th IEEE international Conference on Electronics, Circuits and Systems*, pages 380–383, 2003.
- [53] A.K. Chin and D. Srinivasan,. "Particle swarm optimization based approach for generator maintenance scheduling",. In *Proc. of the IEEE Swarm Intelligence Symposium*, 2003.
- [54] G.Zwe-Lee,. "Particle swarm optimization to solving the economic dispatch considering the generator constraints",. *IEEE Trans. on Power Systems*, vol. 18, no. 3;pp. 1187–1195, 2003.
- [55] F.G.M. Lima, F.D. Galiana, Ivana Kockar, and J. Munoz,. "Phase shifter placement in large-scale systems via mixed integer linear programming",. *IEEE Trans. on Power Systems*, vol. 18, no. 3,;pp. 1029–1034, 2003.
- [56] A.I.S. Kumar, K. Dhanushkodi, J.J. Kumar, and C.K. paul,. "Particle swarm optimization solution to emission and economic dispatch problem",. In *proc. of Conference on convergent technologies for Asia-Pacific region*, pages 435–439, 2003.
- [57] Y. Xiao, Y.H. Song, C.C. Liu and Y.Z. Sun,. "Available transfer capability enhancement using FACTS devices". *IEEE Trans. on Power Systems*, vol. 18, no. 1;pp. 305–312, 2003.

- [58] Ying Xiao, Y.H. Song, Chen-Ching Liu, and Y.Z. Sun,. "Available transfer capability enhancement using facts devices",. *IEEE Trans. on Power Systems*, vol. 18, no. 1,;pp. 305–312, 2003.
- [59] A.H. Mantawy, and M.S. Al-Ghamdi,. "A new reactive power optimization algorithm",. In *Proc. of IEEE Power Tech Conference*, pages 6–11, 2003.
- [60] M. Shaaban, W. Li, Z. Yen, Y. Ni, and F. Wu,. "Calculation of total transfer capability incorporating the effect of reactive power",. *Electric Power Systems Research*, vol. 64;pp. 181–188, 2003.
- [61] X. Yu, C. Singh, S. Jakovljevic, D. Risanovic and G. Huang,. "Total transfer capability considering facts and security constraints",. in: *Proc of IEEE conference*, 2003.
- [62] S. Naka, T. Genji, T. Yura, and Y. Fukuyama,. "A hybrid particle swarm optimization for distribution state estimation",. *IEEE Trans. on Power Systems*, vol. 18, no. 1;pp. 60–68, 2003.
- [63] G. Coath, M. Al-Dabbagh and S.K. Halgamuge,. "Particle swarm optimization for reactive power and voltage control with grid-integrated wind farms",. *IEEE Power Engineering Society General Meeting*, pages 303–308, 2004.
- [64] J. Chia-Feng and L. Chun-Feng,. "Power system load frequency control by evolutionary fuzzy pi controller",. In *Proc. of IEEE International Conference on Fuzzy Systems*, pages 715–719, 2004.
- [65] L.J. Cai, I. Erlich and G. Stamtzis,. "Optimal choice and allocation of facts devices in deregulated electricity market using genertic algorithm",. In *Proc. of IEEE PES power system Conf. and exposition*, pages 10–13, 2004.
- [66] P. Venkatesh, R. Gnanadass and N.P. Padhy,. "Available transfer capability determination using power transfer distribution factors,. *International Journal of emerging electrical power systems*, vol. 1, no. 2;pp. 1–10, 2004.
- [67] B. Zhao, C.X. Guo and Y.J. Cao,. "Improved partie swarm optimizationalgorithm for opf problems". In *IEEE/PES Power Systems Conference and Exposition*, pages 233–238, 2004.

- [68] S.M.R. Slochanal, S. Kannan and R. Rengaraj,. "Generation expansion planning in the competitive environment",. In *Proc. of International conference on Power System Technology*, pages 1546–1549, 2004.
- [69] W. Kurutach and Y. Tuppadung,. "Feeder switch relocation based upon risk analysis of trees-caused interruption and value-based distribution reliability assessment",. In *Proc. of IEEE Region 10th Conference*, 2004.
- [70] G. Z. Lee,. "Constrained dynamic economic dispatch solution using particle swarm optimization",. In *Proc. of IEEE power engineering society general meeting*, pages 153–158, 2004.
- [71] N.P. Padhy,. "Congestion management under deregulated fuzzy environment",. In *Proc. of IEEE international conference on electric utility deregulation, restructuring and power technologies (DRPT)*, pages 133–139, April 2004.
- [72] S. He, J.Y. Wen, E. prempain, Q.H. Wu, J. Fitch, and S. Mann,. "An improved particle swarm optimization for optimal power flow",. In *Proc. of International Conference on Power System Technology*, pages 1633–1637, 2004.
- [73] A. Kumar, S.C. Srivastava and S.N. Singh,. "Available transfer capability assessment in a competitive electricity market using a bifurcation approach". *IEE Proc. Gener, Transm, Distrib*, vol. 151, no. 2,;pp.133–140, 2004.
- [74] Z. Wen and L. Yutian,. "Reactive power optimization based on pso in a practical power systems",. In *IEEE Power Engineering Society Meeting*, pages 239–243, 2004.
- [75] Zuwei Yu and D. Lusan,. "Optimal placement of facts devices in deregulated systems considering line losses",. *Electical power and energy systems*, vol. 26,;pp. 813–819, 2004.
- [76] S. Kannan, S.M.R. Slochanal, P. Subbaraj, and N.P. Padhy,. "Application of particle swarm optimization technique and its variants to generation expansion planning problem",. *Electric Power Systems Research*, vol. 70, no. 3,;pp. 203–210, August 2004.

- [77] S.P. Ghoshal,. "Optimizations of pid gains by particle swarm optimizations in fuzzy based automatic generation control",. *Electric Power Systems Research*, vol. 72, no. 3,:pp. 203–212, Dec. 2004.
- [78] A. Kumar, S.C. Srivastava and S.N. Singh,. "A zonal congestion management approach using real and reactive power rescheduling",. *IEEE Trans. on Power Systems*, vol. 19, no. 1,:pp. 554–562, Feb. 2004.
- [79] X.M. Yu, X.Y. Xiong and Y.W. Wu,. "A pso based approach to optimal capacitor placement with harmonic distortion consideration",. *Electric Power Systems Research*, vol. 71, no. 1,:pp. 27–33, Sept. 2004.
- [80] H. Chao-Ming, H. Chi-Jen and W. Ming-Li,. "A particle swarm optimization to identifying the armax model for short-term load forecasting",. *IEEE Trans. on Power Systems*, vol. 20, no. 2,:pp. 1126–1133, 2005.
- [81] L. Chun-Feng and J. Chia-Feng,. "Evolutionary fuzzy control of flexible ac transmission system. *IEE Proc. Gener, Transm and Distrib*, vol. 152, no. 4,:pp. 441–448, 2005.
- [82] B. Zhao, C.X. Guo and Y.J. Cao,. "A multiagent-based particle swarm optimization approach for optimal reactive power dispatch",. *IEEE Trans. on Power Systems*, vol. 20, no. 2,:pp. 1070–1078, 2005.
- [83] B. Zhao, C.X. Guo, and Y.J. Cao,. "A multiagent-based particle swarm optimization approach for optimal reactive power dispatch",. *IEEE Trans. on Power Systems*, vol. 20, no. 2,:pp. 1070–1078, 2005.
- [84] A.A.A. Esmin, G. Lambert-Torres and A.C. Z. de Souza,. "A hybrid particle swarm optimization applied to loss power minimization",. *IEEE Trans. on Power Systems*, vol. 20, no. 2,:pp. 859–866, 2005.
- [85] B.K. Talukdar, A.K. Sinha, S. Mukhopadhyay, and A. Bose,. "A computationally simple method for cost-efficient generation rescheduling and load shedding for congestion management",. *International Journal of Electrical Power & Energy Systems*, vol. 27,:pp. 379–388, June 2005.

- [86] B.A. Murtagh and M.A. Saunders,. Minos 5.5 user's guide, optimization laboratory tech. report,. Technical report, Stanford Univ. Systems, 2005.
- [87] J.B. Park, K.S. Lee, J.R. Shin, and K.Y. Lee,. "A particle swarm optimization for economic dispatch with nonsmooth cost functions",. *IEEE Trans. on Power Systems*, vol. 20, no. 1,:pp. 34–42, 2005.
- [88] P. Somasundaram and K. Kuppusamy,. "Application of evolutionary programming to security constrained economic dispatch",. *International Journal of Electrical Power & Energy Systems*, vol. 27:pp.343–351, 2005.
- [89] T.A.A. Victoire and A.E. Jeyakumar,. "Reserve constrained dynamic dispatch of units with valve-point effects",. *IEEE Trans. on Power Systems*, vol. 20, no. 3,:pp. 1273–1282, 2005.
- [90] T.A.A. Victoire and A.E. Jeyakumar,. "Unit commitment by a tabu-search based hybrid optimization techniques",. *IEE Proc. Gener, Transm and Distrib*, vol. 152, no. 4:pp. 563–574, 2005.
- [91] J. Chuanwen and E. Bompard,. "A hybrid method of chaotic particle swarm optimization and linear interior for reactive power optimization",. *Mathematics and Computers in Simulation*, vol. 68, no. 1:pp. 57–65, Feb. 2005.
- [92] P.J. Bae, L.Ki. Song, S.J. Rin, and K.Y. Lee,. "A particle swarm optimization for economic dispatch with nonsmooth cost functions",. *IEEE Trans. on Power Systems*, vol. 20, no. 1,:pp. 34–42, Feb. 2005.
- [93] J. Chuanwen and E. Bompard,. "A self-adaptive chaotic particle swarm algorithm for short -term hydroelectric system scheduling in deregulated environment",. *Energy Conversion and Management*, vol. 46, no. 17:pp. 2689–2696, Oct. 2005.
- [94] K.S. Verma and H.O. Gupta,. "Impact on real and reactive power pricing in open market using unified power flow controller",. *IEEE Trans. on Power Systems*, vol. 21, no. 1,:pp. 365–371, 2006.

- [95] W. Li, Peng Wang, and Zhizhong Guo,. "Determination of optimal total transfer capability using a probabilistic approach",. *IEEE Trans. on Power Systems*, vol. 21, no. 2,;pp. 862–868, 2006.
- [96] H.H. Zeineldin, E.F. El-Saadany and M.M.A. Salama,. "Optimal coordination of over-current relays using a modified particle swarm optimization",. *Electric Power Systems Research*, vol. 76, no. 11,;pp. 988–995, July 2006.
- [97] N. Acharya and N. Mithulananthan,. "Influence of tcsc on congstion and spot price in electricity market with bilateral contract",. *Electric Power Systems Research*, vol. 77,;pp. 1010–1018, 2007.
- [98] N. Acharya and N. Mithulananthan,. "Locating series facts devices for congestion management in deregulated electricity markets",. *Electric Power Systems Research*, vol. 77,;pp. 352–360, 2007.
- [99] J. Hazra,. "Congestion management using multi-objective particle swarm optimization",. *IEEE Trans. on Power Systems*, vol. 22, no. 4,;pp. 1726–1734, Nov. 2007.
- [100] S.N. Singh J.G. Singh and S.C. Srivastava,. "An approach for optimal placement of static var compensators based on reactive power spot price". *IEEE Trans. on Power Systems*, vol. 22, no. 4,;pp. 2021–2029, 2007.
- [101] P. Jirapong and W. Ongsakul,. "Optimal placement of multi-type FACTS devices for toal transfer capability enhancement using hybrid evolutionary algorithm",. *Electric Power Components and Systems*, vol. 35;pp. 981–1005, 2007.
- [102] S. Mollazer and K.Y. Lee,. "Multiobjective optimization of power system performance with tcsc using the mopso algorithm". IEEE Power Engineering Society General Meeting, art no. 41275644 2007.
- [103] Guang Yang Ya,. "TCSC allocation based on line flow based equations via mixed integer programming",. *IEEE Trans. on Power Systems*, vol. 22, no. 4,;pp. 2262–2269, 2007.

- [104] G. Yesuratnam and D. Thukaram,. "Congestion management in open access based on relative electrical distances using voltage stability criteria",. *Electric Power Systems Research*, vol. 77, no. 12:pp. 1608–1618, Oct. 2007.
- [105] R.D. Zimmerman and C.E. Murillo Sanchez,. Matpower, a matlab power system simulation package, version 3.2, 2007.
- [106] N. Mithulananthan and N. Acharya,. "A proposal for investment recovery of facts devices in deregulated electricity markets",. *Electric Power Systems Research*, vol. 77, no. 5:pp. 695–703, April 2007.
- [107] Yi-Xiong Jina, Hao-Zhong Chenga, Jian yong Yanb, and Li Zhangb,. "New discrete method for particle swarm optimization and its application in transmission network expansion planning",. *Electric Power Systems Research*, vol. 77, no. 4:pp. 227–233, March 2007.
- [108] S. Dutta and S.P. Singh,. "Optimal rescheduling of generators for congestion management based on particle swarm optimization",. *IEEE Trans. on Power Systems*, vol. 23, no. 4:pp. 1560–1568, Nov. 2008.
- [109] Mohammed El-Telbany and Fawwaz El-Karmi,. "Short-term forecasting of jordanian electricity demand using particle swarm optimization",. *Electric Power Systems Research*, vol. 78:pp. 425–433, 2008.
- [110] M. Rashidinejad, H. Farahmand, M. Fotuhi-Firuzabad, and A.A. Gharaveisi,. "ATC enhancement using tcsc via artificial intelligent techniques",. *Electric Power Systems Research*, vol. 78:pp. 11–20, 2008.
- [111] M. Rashidinejad,. "Atc enhacement using tcsc via artificial intelligent techniques",. *Electric Power Systems Research*, vol. 78:pp. 11–20, 2008.
- [112] N.P. Suraweera and D.N. Ranasinghe,. "Adaptive structural optimization of neural networks",. *The International Journal on Advances in ICT for Emerging Regions*, vol. 1, no. 1:pp. 33–41, 2008.

- [113] N.M. Pindoriya, S.N. Singh, and S.K. Singh,. 'An adaptive wavelet neural network based energy price forecasting in electricity markets",. *IEEE Trans. on Power Systems*, vol. 23, no. 3,;pp. 1423–1432, Aug. 2008.
- [114] Hongrui Liu, Yanfang Shen, Zelda B. Zabinsky, Chen-Ching Liu, Alan courts, and sung Kwan Joo,. "Social welfare maximization in transmission enhacement considering network congestion",. *IEEE Trans. on Power Systems*, vol. 23, no. 3,;pp. 1105–1114, August 2008.
- [115] N. Ruiz Reyes, P. Reche Lopez, M. Gomez Gonzalez and F. Jurado,. "Optimization of biomass fuelled systems for distributed power generation using particle swarm optimization",. *Electric Power Systems Research*, vol. 78, no. 8,;pp. 1448–1455, August 2008.
- [116] L. Wang and C. Singh,. "Stochastic economic emission load dispatch through a modified particle swarm optimization algorithm",. *Electric Power Systems Research*, vol. 27, no. 8,;pp. 1466–1476, August 2008.
- [117] L. Wang and Chanan Singh,. "Balancing risk and cost in fuzzy economic dispatch including wind power penetration based on particle swarm optimization",. *Electric Power Systems Research*, vol. 78, no. 8,;pp. 1361–1368, August 2008.
- [118] A. I. Selvakumara and K. Thanushkodib,. "Anti-predatory particle swarm optimization: Solution to nonconvex economic dispatch problems",. *Electric Power Systems Research*, vol. 78, no. 1,;pp. 2–10, Jan. 2008.
- [119] G. Rong L. Mengliang, and W. Xiuhong,. "The load forecasting using the PSO-BP neural network and wavelet transform",. In *Proc. of the 27th Chinese Control Conference*, July 2008.
- [120] T.Y. Lee,. "Optimal wind battery coordination in a power system using evolutionary iteration particle swarm optimisation",. *IEE Proc. Gener, Transm and Distrib*, vol. 2, no. 2,;pp. 291–300, March 2008.

- [121] P. Bajpai, S.K. Punna and S.N. Singh,. "Swarm intelligence-based strategic bidding in competitive electricity markets",. *IEE Proc. Gener, Transm and Distrib*, vol. 2, no. 2,;pp. 175–184, March 2008.
- [122] C. C. Kuo,. "A novel coding scheme for practical economic dispatch by modified particle swarm approach",. *IEEE Trans. on Power Systems*, vol. 23, no. 4,;pp. 1825–1835, Nov. 2008.
- [123] B. Wanga, N. Taia, H. Zhaib, J. Yeb, J. Zhuc, and L. Qic,. "A new ARMAX model based on evolutionary algorithm and particle swarm optimization for short-term load forecasting",. *Electric Power Systems Research*, vol. 78, no. 10,;pp. 1679–1685, Oct. 2008.
- [124] J. Verboomen, D. Van Hertem, P.H. Schavemaker, F.J.C.M. Spaan, J.-M. Delincéd, R. Belmansb, and W.L. Kling,. "Phase shifter coordination for optimal transmission capacity using particle swarm optimization",. *Electric Power Systems Research*, vol. 78, no. 9,;pp. 1648–1653, Sept. 2008.
- [125] A. K. Sharma and S. Chanana,. "New secure bilateral transaction determination and study of pattern under contingencies and UPFC in competitive hybrid electricity markets",. *Int. J. of Electical power and energy systems*, vol. 31,;pp. 23–33, 2009.
- [126] R. Benabida, M. Boudourb and M.A. Abido,. "Optimal location and setting of svc and tcsc devices using non-dominated sorting particle swarm optimization",. *Electric Power Systems Research*, vol. 79, no. 12,;pp. 1668–1677, Dec. 2009.
- [127] Z.A. Bashir and M.E El-Hawary,. "Applying wavelets to short-term load forecasting using pso-based neural networks",. *IEEE Trans. on Power Systems*, vol. 24, no. 1,;pp. 20–27, Feb. 2009.
- [128] Ahmet D. Yucekayaa, Jorge Valenzuelaa and Gerry Dozierb,. "Strategic bidding in electricity markets using particle swarm optimization",. *Electric Power Systems Research*, vol. 79, no. 2,;pp. 335–345, Feb. 2009.
- [129] A. Y. Sabera, S. Chakrabortyb, S.M. Razzakb, and T. Senjyub,. "Optimization of economic load dispatch of higher order general cost polynomials and its sensitivity

- using modified particle swarm optimization",. *Electric Power Systems Research*, vol. 79, no. 1,;pp. 98–106, Jan. 2009.
- [130] M. Ramezani, M.R. Haghifam, C. Singh, H. Seifi, and M.P. Moghaddam,. "Determination of capacity benefit margin in multiarea power systems using particle swarm optimization",. *IEEE Trans. on Power Systems*, vol. 24, no. 2,;pp. 631–641, May 2009.
- [131] H. Siahkali and M. Vakiliana,. "Electricity generation scheduling with large-scale wind farms using particle swarm optimization",. *Electric Power Systems Research*, vol. 79, no. 5,;pp. 826–836, May 2009.
- [132] J.G. Vlachogiannis and K.Y. Lee,. "Economic load dispatch a comparative study on heuristic optimization techniques with an improved coordinated aggregation-based pso",. *IEEE Trans. on Power Systems*, vol. 24, no. 2,;pp. 991–1001, May 2009.
- [133] A.Y. Abdelaziz , F.M. Mohammeda, S.F. Mekhamera, and M.A.L. Badra,. "Distribution systems reconfiguration using a modifiedparticle swarm optimization algorithm",. *Electric Power Systems Research*, vol. 79, no. 11,;pp. 1521–1530, Nov. 2009.
- [134] L. de M. Carvalho, M.A. da Rosa, A.M.L. da Silva, V. Miranda, and C. Singh,. "Improving power system reliability calculation efficiency with EPSO variants",. *IEEE Trans. on Power Systems*, vol. 24, no. 4,;pp. 1772–1779, Nov. 2009.
- [135] F. Azevedoa, Z.A. Valea, P.B. Moura Oliveirab, and H.M. Khodra,. "A long-term risk management tool for electricity markets using swarm intelligence",. *Electric Power Systems Research*, vol. 80, no. 4,;pp. 380–389, April 2010.
- [136] J. Y. Won, P. J. Bae, S.H. Jang , and K.Y. Lee,. "A new quantum-inspired binary PSO: Application to unit commitment problems for power systems",. *IEEE Trans. on Power Systems*, vol. 25, no. 3,;pp. 1486–1495, Aug. 2010.
- [137] R. Hooshmand and A. Enshaeaa,. "Detection and classification of single and combined power quality disturbances using fuzzy systems oriented byparticle swarm optimization algorithm",. *Electric Power Systems Research*, vol. 80, no. 12,;pp. 1552–1561, Dec. 2010.

- [138] N. Amjady and H. R. Soleymanpoura,. "Daily hydrothermal generation scheduling by a new modified adaptive particle swarm optimization technique",. *Electric Power Systems Research*, vol. 80, no. 6,:pp. 723–732, June 2010.
- [139] E.M. Vournoulakis and N.D. Hatziargyriou,. "A particle swarm optimization method for power system dynamic security control",. *IEEE Trans. on Power Systems*, vol. 25, no. 2,:pp. 1032–1041, May 2010.
- [140] J. Upendar, C.P. Gupta, G.K. Singh, and G. Ramakrishna,. "PSO and ANN-based fault classification for protective relaying",. *IEE Proc. Gener, Transm and Distrib*, vol. 4, no. 10,:pp. 1197–1212, Oct. 2010.
- [141] G.S. Piperagkas, A.G. Anastasiadis and N.D. Hatziargyrioua,. "Stochastic pso-based heat and power dispatch under environmental constraints incorporating chp and wind power units",. *Electric Power Systems Research*, vol. 81, no. 1,:pp. 209–218, Jan. 2011.
- [142] K. Bhattacharya, M. H.J. Bollen and J. E. Daalder,. *Operation of Restructured power systems*. Kluwer Academic Publishers, 2001.
- [143] L Willis, J. Finney and G. Ramon,. "*Computing the cost of unbundled services*",. 1996.
- [144] M. Ilic, F.D. Galiana and L. Fink,. *Power system restructuring engineering and economics*. Kluwer Academic Publishers, 1998.
- [145] N.G. Hingorani and L. Gyugyi,. *Understanding FACTS*. IEEE press, 2001.
- [146] M. illic, FD Galiana and L Fink ,. *Power system restructuring engineering and economics*. Kluwer Academic Publishers, 1998.
- [147] L. Philipson and H.L. Willis,. *Understanding electric utilities and deregulation*.
- [148] S. Stoft,. *Power System Economics*. New York: Wiley interscience, 2002.
- [149] A. J. Wood and B.F. Wollenberg,. *Power generation, operation and control*. John wiley & sons, NY, Jan 1996.