

## References

---

---

- [1] Ministry of Power, Government of India. [Online]. Available: [http://www.powermin.nic.in/JSP\\_SERVLETS/internal.jsp](http://www.powermin.nic.in/JSP_SERVLETS/internal.jsp)
- [2] D.P. Kothari and I.J. Nagrath, Modern Power System Analysis, Third Edition, Tata McGraw Hill, New Delhi, 2003
- [3] A.K. Mahalanabis, D.P. Kothari and S.I. Ashon, Computer Aided Power System Analysis and Control, Tata McGraw Hill, New Delhi, 1988
- [4] P. S. R. Murty, Operation and Control in Power Systems, B S Publications, Hyderabad, 2005.
- [5] Hadi Saadat, Power System Analysis, Tata McGraw Hill, New Delhi, 2002.
- [6] Prabha Kundur, Power System Stability and Control, Tata McGraw Hill, 2006.
- [7] O. I. Elgerd, Electric Energy System Theory: An Introduction, New York: McGraw-Hill, 1982
- [8] A. J. Wood and B. F. Wollenberg, Power Generation, Operation, and Control, 2nd ed., John Wiley and Sons, New York, 1994.
- [9] S. Mukhopadhyay, Modern Power System Control and Operation, Roorkee Publishing House, Roorkee, 1983.
- [10] Union for the Co-ordination of Transmission of Electricity. [Online]. Available : [http://www.ucte.org/ohb/reader\\_guide.asp](http://www.ucte.org/ohb/reader_guide.asp)
- [11] Nathan Cohn, “Power Flow Control – Basic Concepts for Interconnected Systems”, Electric Light and Power, Vol.28, No.8, pp.82-94, 1950.
- [12] Nathan Cohn, “Some Aspects of Tie-Line Bias-Control on Interconnected Power Systems”, AIEE Transactions. Vol.75, pp. 1415 – 1436, February 1957.

- [13] Nathan Cohn, “Methods of Controlling Generation on Interconnected Power System”, Electrical Engineering, pp.202-209, March 1961.
- [14] Nathan Cohn, “The Automatic Control of Electric Power in the United States”, IEEE Spectrum, pp. 68-77, November 1965.
- [15] Nathan Cohn, “Consideration in the Regulation of Interconnected Areas”, IEEE Transactions on Power Apparatus and Systems, Vol. PAS-86, pp.1527-1538, December 1967.
- [16] G. Quazza, “Noninteracting controls of interconnected electric power systems,” IEEE Trans. Power App. Syst., vol. PAS-85, no. 7, pp. 727–741, Jul. 1966.
- [17] R. P. Aggarwal and F. R. Bergseth, “Large Signal Dynamics of Load-Frequency Control Systems and their Optimization using Nonlinear Programming: I & II,” IEEE Trans. Power App. Syst., vol. PAS-87, no. 2, pp. 527–538, Feb. 1968.
- [18] O. I. Elgerd and C. Fosha, “Optimum megawatt frequency control of multi-area electric energy systems,” IEEE Trans. Power App. Syst., vol. PAS-89, no. 4, pp. 556–563, Apr. 1970.
- [19] N. Cohn, “Techniques for improving the control of bulk power transfers on interconnected systems,” IEEE Trans. Power App. Syst., vol. PAS-90, no. 6, pp. 2409–2419, Nov./Dec. 1971.
- [20] H. G. Kwatny, K. C. Kalnitsky, and A. Bhatt, “An optimal tracking approach to load frequency control,” IEEE Trans. Power App. Syst., vol. PAS-94, no. 5, pp. 1635–1643, Sep./Oct. 1975.

- [21] IEEE Committee Report, “IEEE Trans. Power App. Syst.,”, vol. PAS-89, Jul./Aug. 1970. Standard definitions of terms for automatic generation control on electric power systems.
- [22] IEEE PES Committee Report, “IEEE Trans. Power App. Syst.,”, vol. PAS-92, Nov. 1973. Dynamic models for steam and hydro-turbines in power system studies.
- [23] IEEE PES Working Group, “Hydraulic turbine and turbine control models for system dynamic,” IEEE Trans. Power Syst., vol. PWRS-7, no. 1, pp. 167–174, Feb. 1992.
- [24] IEEE PES Committee Report, “IEEE Trans. Power App. Syst.,”, vol. PAS-98, Jan./Feb. 1979. Current operating problems associated with automatic generation control.
- [25] N. Jaleeli, L. S. Vanslyck, D. N. Ewart, L. H. Fink, and A. G. Hoffmann, “Understanding automatic generation control,” IEEE Trans. Power App. Syst., vol. PAS-7, no. 3, pp. 1106–1122, Aug. 1992.
- [26] R. K. Green, “Transformed automatic generation control,” IEEE Trans. Power Syst., vol. 11, no. 4, pp. 1799–1804, Nov. 1996.
- [27] A. M. Stankovic, G. Tadmor, and T. A. Sakharuk, “On robust control analysis and design for load frequency regulation,” IEEE Trans. Power Syst., vol. 13, no. 2, pp. 449–455, May 1998.
- [28] R. D. Christie and A. Bose, “Load frequency control issues in power system operations after deregulation,” IEEE Trans. Power Syst., vol. 11, no. 3, pp. 1191–1200, Aug. 1996.

- [29] B. Tyagi and S.C. Srivastava, “A LQG based load frequency controller in a competitive electricity environment” International Journal of Emerging Electric Power System, issue 2, Vol. 2, 2005 [Online], Available: <http://www.bepress.com/ijeepls/vol2/iss2/art1044>.
- [30] B. Tyagi and S.C. Srivastava, “A Decentralized Automatic Generation Control Scheme for Competitive Electricity Markets”, IEEE Trans. on Power Systems, vol. 21, Issue 1, pp. 312-320, Feb. 2006.
- [31] L. K. Kirchmayer, Economic Control of Interconnected Systems. New York: Wiley, 1959.
- [32] E. C. Tacker, T. W. Reddoch, O. T. Pan, and T. D. Linton, “Automatic generation control of electric energy systems—A simulation study,” IEEE Trans. Syst. Man Cybern., vol. SMC-3, no. 4, pp. 403–5, Jul. 1973.
- [33] L. Hari, M. L. Kothari, and J. Nanda, “Optimum selection of speed regulation parameters for automatic generation control in discrete mode considering generation rate constraints,” Proc. Inst. Elect. Eng. C, vol. 138, no. 5, pp. 401–406, Sep. 1991.
- [34] C. Concordia, L. K. Kirchmayer, and E. A. Szymanski, “Effect of speed governor dead-band on tie-line power and frequency control performance,” Amer. Inst. Elect. Eng. Trans., vol. 76, pp. 429–435, Aug. 1957.
- [35] F. F. Wu and V. S. Dea, “Describing-function analysis of automatic generation control system with governor deadband,” Elect. Power Syst. Res., vol. 1, no. 2, pp. 113–116, Apr. 1978.

- [36] B. Oni, H. Graham, and L. Walker, “Investigation of nonlinear tie-line bias control of interconnected power systems,” *IEEE Trans. Power App. Syst.*, vol. PAS-100, no. 5, pp. 2350–2356, May 1981.
- [37] S. C. Tripathy, T. S. Bhatti, C. S. Jha, O. P. Malik, and G. S. Hope, “Sampled data automatic generation control analysis with reheat steam turbines and governor dead band effects,” *IEEE Trans. Power App. Syst.*, vol. PAS-103, no. 5, pp. 1045–1051, May 1984.
- [38] T. E. Bechert and N. Chen, “Area automatic generation control by multi-pass dynamic programming,” *IEEE Trans. Power App. Syst.*, vol. PAS-96, no. 5, pp. 1460–1468, Sep./Oct. 1977.
- [39] D. Das, J. Nanda, M. L. Kothari, and D. P. Kothari, “Automatic generation control of hydrothermal system with new area control error considering generation rate constraint,” *Elect. Mach. Power Syst.*, vol. 18, no. 6, pp. 461–471, Nov./Dec. 1990.
- [40] C. E. Fosha and O. I. Elgerd, “The megawatt frequency control problem: A new approach via optimal control theory,” *IEEE Trans. Power App. Syst.*, vol. PAS-89, no. 4, pp. 563–577, Apr. 1970.
- [41] E. C. Tacker, C. C. Lee, T. W. Reddoch, T. O. Tan, and P. M. Julich, “Optimal control of interconnected electric energy systems: A new formulation,” *Proc. IEEE*, vol. 60, no. 10, pp. 1239–1241, 1972.
- [42] E. V. Bohn and S. M. Miniesy, “Optimum load frequency sample data control with randomly varying system disturbances,” *IEEE Trans. Power App. Syst.*, vol. PAS-91, no. 5, pp. 1916–1923, Sep./Oct. 1972.

- [43] K. Yamashita and T. Taniguchi, “Optimal observer design for load frequency control,” *Int. J. Elect. Power Energy Syst.*, vol. 8, no. 2, pp. 93–100, Apr. 1986.
- [44] A. Feliachi, “Load frequency control using reduced order models and local observers,” *Int. J. Energy Syst.*, vol. 7, no. 2, pp. 72–75, 1987.
- [45] A. Rubaai and V. Udo, “An adaptive control scheme for LFC of multiarea power systems. Part I: Identification and functional design, Part-II: Implementation and test results by simulation,” *Elect. Power Syst. Res.*, vol. 24, no. 3, pp. 183–197, Sep. 1992.
- [46] S. Velusami and K. Ramar, “Design of observer-based decentralized load-frequency controllers for interconnected power systems,” *Int. J. Power Energy Syst.*, vol. 17, no. 2, pp. 152–160, 1997.
- [47] Y. Hain, R. Kulessky, and G. Nudelman, “Identification-based power unit model for load-frequency control purposes,” *IEEE Trans. Power Syst.*, vol. 15, no. 4, pp. 1313–1321, Nov. 2000.
- [48] V. R. Moorthi and R. P. Aggarawal, “Suboptimal and near optimal control of a load frequency control system,” *Proc. Inst. Elect. Eng.*, vol. 119, pp. 1653–1660, Nov. 1972.
- [49] S. S. Choi, H. K. Sim, and K. S. Tan, “Load frequency control via constant limited-state feedback,” *Elect. Power Syst. Res.*, vol. 4, no. 4, pp. 265–269, Oct. 1981.
- [50] M. Aldeen and H. Trinh, “Load frequency control of interconnected power systems via constrained feedback control schemes,” *Int. J. Comput. Elect. Eng.*, vol. 20, no. 1, pp. 71–88, Jan. 1994.

- [51] M. Aldeen and H. Trinh , “Combined modal and singular perturbation approach to decentralized control,” *Int. J. Syst. Sci.*, vol. 23, no. 5, pp. 741–764, May 1992.
- [52] G. Shirai, “Load frequency control using Liapunov’s second method: Bang-bang control of speed changer position,” *Proc. IEEE*, vol. 67, no. 10, pp. 1458–1459, Oct. 1979.
- [53] H. Kawabata and M. Kido, “A decentralized scheme of load frequency control power system,” *Elect. Eng. Japan*, vol. 102, no. 4, pp. 100–106, Jul.–Aug. 1982.
- [54] Y. M. Park and K. Y. Lee, “Optimal decentralized load frequency control,” *Elect. Power Syst. Res.*, vol. 7, no. 4, pp. 279–288, Sep. 1984.
- [55] M. S. Calovic, “Automatic generation control: Decentralized area-wise optimal solution,” *Elect. Power Syst. Res.*, vol. 7, no. 2, pp. 115–139, Apr. 1984.
- [56] M. Aldeen and J. F. Marsh, “Observability, controllability and decentralized control of interconnected power systems,” *Int. J. Comput. Elect. Eng.*, vol. 16, no. 4, pp. 207–220, 1990.
- [57] M. Aldeen and J. F. Marsh, “Decentralized proportional-plus-integral control design method for interconnected power systems,” *Proc. Inst. Elect. Eng.*, vol. 138, no. 4, pp. 263–274, Jul. 1991.
- [58] M. Aldeen, “Interaction modeling approach to distributed control with application to power systems,” *Int. J. Contr.*, vol. 53, no. 5, pp. 1035–1054, 1991.
- [59] T. C. Yang, H. Cimen, and Q. M. Zhu, “Decentralised load-frequency controller design based on structured singular values,” *Proc. Inst. Elect. Eng. C*, vol. 145, no. 1, pp. 7–14, Jan. 1998.

- [60] T. C. Yang, Z. T. Ding, and H. Yu, “Decentralized power system load frequency control beyond the limit of diagonal dominance,” *Int. J. Elect. Power Energy Syst.*, vol. 24, no. 3, pp. 173–184, Mar. 2002.
- [61] M. L. Kothari, J. Nanda, D. P. Kothari, and D. Das, “Discrete mode automatic generation control of a two area reheat thermal system with new area control error,” *IEEE Trans. Power App. Syst.*, vol. 4, no. 2, pp. 730–738, May 1989.
- [62] J. E. Van Ness et al., “Sensitivities of large multi-loop control systems,” *IEEE Trans. Autom Contr.*, (AC-10), pp. 308-315, 1965.
- [63] N. G. Malek, O. T. Tan, P. J. Mulich, and E. C. Tacker, “Trajectory sensitivity design of load frequency control systems,” *Proc. IEE*, 120, 173.9, Oct. 1973.
- [64] J. Erschler, F. Roubeliat, and J. P. Vernhes, “Automation of a hydroelectric power station using variable-structure control systems,” *Automatica*, no. 10, pp. 31–36, 1974.
- [65] W. C. Chan and Y. Y. Hsu, “Automatic generation control of interconnected power systems using variable-structure controller,” *Proc. Inst. Elect. Eng. C*, vol. 128, no. 5, pp. 269–279, 1981.
- [66] A. Y. Sivaramkrishna et al., “Design of variable structure load frequency controller using pole assignment technique,” *Int. J. Contr.*, vol. 40, no. 3, pp. 487–498, 1984.
- [67] A. Kumar, O. P. Malik, and G. S. Hope, “Variable-structure-system control applied to AGC of an interconnected power system,” *Proc. Inst. Elect. Eng. C*, vol. 132, no. 1, pp. 23–29, 1985.

- [68] A. Kumar, O. P. Malik, and G. S. Hope, “Discrete variable-structure controller for load frequency control of multi-area interconnected power system,” Proc. Inst. Elect. Eng. C, vol. 134, no. 2, pp. 116–122, 1987.
- [69] D. Das, M. L. Kothari, D. P. Kothari, and J. Nanda, “Variable structure control strategy to automatic generation control of interconnected reheat thermal systems,” Proc. Inst. Elect. Eng. Contr. Theory App., vol. 138, no. 6, pp. 579–585, Nov. 1991.
- [70] A. Ismail, “Robust load frequency control,” in Proc. IEEE Conf. Contr. App., vol. 2, New York, Dayton, OH, Sep. 1992, pp. 634–5.
- [71] Y. Wang, R. Zhou, and C. Wen, “Robust load-frequency controller design for power systems,” Proc. Inst. Elect. Eng. C, vol. 140, no. 1, pp. 111–116, Jan. 1993.
- [72] Y. Wang, R. Zhou and C. Wen , “New robust adaptive load frequency control with system parameter uncertainties,” Proc. Inst. Elect. Eng., vol. 141, no. 3, pp. 184–190, May 1994.
- [73] K. Jhou, J. C. Doyle, and K. Glover, Robust and Optimal Control. Englewood Cliffs, NJ: Prentice-Hall, 1996.
- [74] G. Ray and C. S. Rani, “Stabilizing decentralized robust controllers of interconnected uncertain power systems based on the Hessenberg form: Simulated results,” Int. J. Syst. Sci., vol. 32, no. 3, pp. 387–399, 2001.
- [75] T. C. Yang, Z. T. Ding, and H. Yu, “Decentralised power system load frequency control beyond the limit of diagonal dominance,” Int. J. Elect. Power Energy Syst., vol. 24, pp. 173–184, 2002.

- [76] J. Kanniah, S. C. Tripathy, and O. P. Malik, "Microprocessor based adaptive load frequency control," *Proc. Inst. Elect. Eng. C*, vol. 131, no. 4, pp. 121–128, 1984.
- [77] I. Vajk, M. Vajta, and L. Keviczky, "Adaptive load frequency control of Hungarian power system," *Automatica*, vol. 21, no. 2, pp. 129–137, 1985.
- [78] C. T. Pan and C. M. Liaw, "An adaptive controller for power system and load frequency control," *IEEE Trans. Power Syst.*, vol. 4, no. 1, pp. 122–128, Feb. 1989.
- [79] R. R. Shoultz and J. A. J. Ibarra, "Multi-area adaptive LFC developed for a comprehensive AGC simulator," *IEEE Trans. Power App. Syst.*, vol. 8, no. 2, pp. 541–547, Mar. 1993.
- [80] C. M. Liaw, "Design of a reduced-order adaptive LFC for an interconnected hydrothermal power system," *Int. J. Contr.*, vol. 60, no. 6, pp. 1051–1063, Dec. 1994.
- [81] Yusuf Oysal, "A Comparative study of adaptive Load Frequency Controller designs in a power system with dynamic neural network models" *Energy Conversion and Management*, Volume 46, Issue15-162, Pages 2656-2668, September 2005.
- [82] L. D. Douglas, T. A. Green, and R. A. Kramer, "New approaches to the AGC nonconforming load problem," *IEEE Trans. Power Syst.*, vol. 9, no. 2, pp. 619–628, May 1994.
- [83] D. K. Chaturvedi, P. S. Satsangi, and P. K. Kalra, "Load frequency control: A generalized neural network approach," *Elect. Power Energy Syst.*, vol. 21, no. 6, pp. 405–415, Aug. 1999.

- [84] A. Demiroren, N. S. Sengor, and H. L. Zeynelgil, “Automatic generation control by using ANN technique,” *Elect. Power Compon. Syst.*, vol. 29, no. 10, pp. 883–896, Oct. 2001.
- [85] H. L. Zeynelgil, A. Demiroren, and N. S. Sengor, “The application of ANN technique to automatic generation control for multi-area power system,” *Elect. Power Energy Syst.*, vol. 24, no. 5, pp. 345–354, Jun. 2002.
- [86] T. P. I. Ahamed, P. S. N. Rao, and P. S. Sastry, “A reinforcement learning approach to automatic generation control,” *Elect. Power Syst. Res.*, vol. 63, pp. 9–26, Aug. 2002.
- [87] C.S. Indulkar and Baldev Raj, “Application of fuzzy controller to automatic generation control”, *Electric machines and power system*, vol. 23, No. 2, pp. 209-220, 1995.
- [88] C.S. Chang and W. Fu, “Area load frequency control using fuzzy gain scheduling of PI controllers”, *Electric power system research*, Vol. 42, pp. 145-152, 1997
- [89] Q.P. Ha, “A fuzzy sliding mode controller for power system load frequency control” in Proc. 1998 second international conference on knowledge based intelligent electronic systems, 21-23 April, pp. 149-154, 1998.
- [90] G.A. Chown and R.C. Hartman, “Design and Experience with a fuzzy logic controller for automatic generation control” *IEEE Transactions on power system*, vol. 13, No. 3, pp. 965-970, August 1998.
- [91] Jawad Talaq and Fadel Al-Basri, “Adaptive fuzzy gain scheduling for load frequency control” *IEEE Transactions on power system*, vol. 14, No. 1, pp. 145-150, February 1999.

- [92] Q.P. Ha and H. Trinh, “A variable structure based controller with fuzzy tuning for load frequency control” International Journal of power and energy systems, vol. 20 No. 3, pp. 146-154, 2000.
- [93] M.K. El-Sherbiny, G. El-Saady, Ali M. Yousef, “ Efficient fuzzy logic load frequency controller” Energy Conversion and Management, 43, pp. 1853-1863, 2002.
- [94] S.P. Ghoshal , “ Multi area frequency and tie line power flow control with fuzzy logic based integral gain scheduling” Journal of Institute of Engineers, vol. 84, pp. 135-141, December 2003.
- [95] E. Yesil, M. Guzelkaya, I. Eksin, “ Self tuning fuzzy PID type load and frequency controller” Energy Conversion and Management, 45, pp. 377-390, 2004.
- [96] E. Çam, and I. Kocaarslan, “Load frequency control in two area power systems using fuzzy logic controller”, Energy Conversion and Management, Vol. 46, No. 2, pp. 233-243, Jan. 2005.
- [97] A. E. Gegov and P. M. Frank, “Decomposition of multivariable systems for distributed fuzzy control power system load frequency control,” Fuzzy Sets Syst., vol. 73, no. 3, pp. 329–340, Aug. 1995.
- [98] Y. L. Karnavas and D. P. Papadopoulos, “AGC for autonomous power system using combined intelligent techniques,” Elect. Power Syst. Res., vol. 62, no. 3, pp. 225–239, Jul. 2002.
- [99] J.R.Kosa, “Genetic programming on the programming of computers by natural selection”, MIT press, Cambridge, MA, USA, 1992.

- [100] Ibraheem, Prabhat Kumar, D.P. Kothari, “Recent Philosophies of automatic generation control strategies in power system”, IEEE transactions on power systems, vol. 20, No. 1, pp. 346-357, February 2005.
- [101] D.G. Goldberg, “Genetic Algorithm in search, optimization and machine learning”, Addison –Wesley Publishing Company, 1989.
- [102] Mitchell, M., “An Introduction to genetic algorithm”, MIT press, 1996.
- [103] Davis, L. (Editor), “Handbook of genetic algorithm”, Van Nostrand Reinhold, 1991.
- [104] J.T. Alander, J.T., “An indexed bibliography of genetic algorithm in power engineering”, Report series 94-1, Power, 21 February 1996, <ftp://ftp. Uwasa. Fi/cs/report 94-1/gaPOWER bib.ps.z>.
- [105] Y.L. Abdel-Magid and M.M. Dawoud, “Genetic algorithms applications in load frequency control” In Proc. Conference on genetic algorithms in engineering systems: Innovation and applications, pp. 207-213, September 1995.
- [106] Y.L. Abdel-Magid and M.M. Dawoud, “Optimal AGC tuning with genetic algorithms” Electric Power system Research, No. 38, pp. 231-238, 1997.
- [107] Pataya Dangprasert and Vichit Avatchanakorn, “Genetic Algorithms based on an intelligent controller” Expert systems with applications, vol. 10, No. 3 /4, pp. 465-470, 1996.
- [108] Li Pingkang, Zhu Hengjun and Li Yuyun, “Genetic algorithm optimization for AGC of multi area power systems” In Proc. 2002 IEEE TENCON, pp. 1818-1821.

- [109] S.K.Aditya and D. Das, “Design of load frequency controllers using genetic algorithm for two area interconnected hydro power system” Electrical Power Components and Systems, 31:, pp. 81-94, 2003.
- [110] Adel Abdennour, “Adaptive optimal gain scheduling for the load frequency control problem” Electrical Power Components and Systems, 30, pp. 45-56, 2002.
- [111] D. Rerkpreedapong, Amer Hasanovic, and Ali Feliachi, “Robust load frequency control using genetic algorithms and linear matrix inequalities”, IEEE Transactions on Power Systems, Vol. 18, No. 2, pp. 855-861, May 2003.
- [112] C.-F. Juang and C.-F. Lu, “Load frequency control by hybrid evolutionary fuzzy PI controller” In Proc. IEE- Generation, Transmission, Distribution, Vol. 153, No. 2, pp. 196-204, March 2006.
- [113] S. P. Ghoshal, “Application of GA/GA-SA based fuzzy automatic generation control of a multi-area thermal generating system,” Elect. Power Syst. Res., vol. 70, no. 2, pp. 115–127, Jul. 2004.
- [114] Y. Yoshida, T. Machida, and H. Nakamura, “A method of automatic frequency ratio control by DC system,” IEEE Trans. Power App. Syst., vol. PAS-86, no. 7, pp. 263–267, Jul. 1967.
- [115] Y. Yoshida and T. Machida, “Study of the effect of the DC link on frequency control in interconnected AC systems,” IEEE Trans. Power App. Syst., vol. PAS-88, no. 7, pp. 1036–1042, Jul. 1969.
- [116] M. Sanpei, A. Kakehi, and H. Takeda, “Application of multi-variable control for automatic frequency controller of HVDC transmission system,” IEEE Trans. Power Del., vol. 9, no. 2, pp. 1063–1068, Apr. 1994.

- [117] N. Rostamkolai, C. A. Wengner, R. J. Piwko, H. Elahi, M. A. Eitzmann, G. Garzi, and P. Taetz, “Control design of Santo Tome back-to back HVDC link,” IEEE Trans. Power Syst., vol. 8, no. 3, pp. 1250–1256, Aug. 1993.
- [118] K. Y. Lim, Y. Wang, and R. Zhou, “Decentralised robust load-frequency control in coordination with frequency-controllable HVDC links,” Int.J. Elect. Power Energy Syst., vol. 19, no. 7, pp. 423–431, Oct. 1997.
- [119] Ibraheem, P. Kumar and S. Ahmad, “Dynamic Performance Enhancement of Hydro-Power Systems with Asynchronous Tie-line” J. Inst. Eng., vol. 85, pp. 23–34, June 2004.
- [120] Ibraheem and P.Kumar, “Study of Dynamic Performance of Power Systems with Asynchronous Tie-lines Considering Parameter Uncertainties” J. Inst. Eng., vol. 85, pp. 35–42, June 2004.
- [121] Ibraheem and P.Kumar, “A novel approach to the matrix Riccati equation solution: An application to optimal control of interconnected power systems,” J. Elect. Power Compon. Syst., vol. 32, no. 1, pp. 33–52, Jan. 2004.
- [122] D. Kottick, M. Balu, and D. Edelstein, “Battery Energy Storage for Frequency Regulation in a Island System, IEEE Transactions on Energy Conversion, Vol.8, No.3, pp.455 – 459, September 1993.
- [123] C.F. Lu, C.C. Liu, and C.J. Wu, “Effect of Battery Energy Storage System on Load Frequency Control Considering Governor Deadband and Generation Rate Constraint”, IEEE Transactions on Energy Conversion, Vol. 10, No.3, 555 – 561, September 1995.

- [124] M.W. Tsand and D. Sutanto, “A Fuzzy Based Controller Using a battery Energy Storage System to enhance Power System Damping”, Journal of Electrical and Electronics and Engineering, Australia, Vol.19, No.1 & 2, pp. 37 – 43. June 1999.
- [125] S. Bhowmik, K. Tomsovic and A. Bose, “Communication models for third party load frequency control” IEEE Transactions on Power Systems, Volume: 9, Issue: 1, pp. 543-548, Feb. 2004.
- [126] E. H. Mamdani, “Applications of fuzzy algorithms for simple dynamic plant.” Proc. IEE, vol. 121. no. 12. pp. 1585-1588. 1974.
- [127] E. H. Mamdani and S. Assilian. ”An experiment in linguistic synthesis with a fuzzy logic controller,” Int. J . Mun Much. Stutlies. vol. 7, no I , pp. 1-13. 1975.
- [128] E. H. Mamdani. “Advances in the linguistic synthesis of fuzzy controllers,” Int. J. Man Mach. Studies. vol. 8, no. 6, pp. 669-678, 1976.
- [129] L. A. Zadeh, “Fuzzy sets” Informat. Control, vol. 8 . pp. 338-353, 1965.
- [130] L. A. Zadeh, “Fuzzy algorithm” Informat. Control, vol. 12 . pp. 94-102, 1968.
- [131] R.C. Bansal, “Bibliography on the Fuzzy Set Theory Applications to Power Systems (1994-2001)”, IEEE Trans. on Power Systems, vol. 18, No. 4, pp. 1291-1299, 2003.
- [132] J. M. Mendel, “Fuzzy logic systems for engineering: A Tutorial” Proceedings of IEEE, Vol. 83, No. 3, pp. 345-377, March 1995.
- [133] C.C. Lee, “Fuzzy logic in Control Systems: Fuzzy logic controller-part I” IEEE Transactions on Systems, Man and Cybernetics, vol. 20, No. 2, pp. 404-418, March/April 1990.

- [134] C.C. Lee, "Fuzzy logic in Control Systems: Fuzzy logic controller-part II" IEEE Transactions on Systems, Man and Cybernetics, vol. 20, No. 2, pp. 419-435, March/ April 1990.
- [135] S.E. Lyshevski, Control Systems Theory with Engineering Applications, Jaico Publishing House, Mumbai, 2004.
- [136] MATLAB<sup>®</sup> 7.0, The Math Works Inc., Natic, MA, USA, 2004.