

## List of Publications

---

1. H.D. Mathur and H.V. Manjunath, "Fuzzy Based Improved Intelligent Controller for Automatic Generation Control" International Journal of Engineering Simulation, Vol. 7, No. 3, 2006, pp. 29-35.
2. H.D. Mathur and H.V. Manjunath, "Extended Fuzzy Logic Based Integral Controller for Three Area Power System with Generation Rate Constraint" In the Proceedings of IEEE International Conference on Industrial Technology, Mumbai, December15-17, 2006, pp. 917-921.
3. H.D. Mathur and H.V. Manjunath, "Analysis of Dynamic Performance of Thermal Units with Asynchronous Tie-lines" In the Proceedings of National Conference on Power Electronics and Intelligent Controller, MNIT, Jaipur,17-18 March, 2007, pp. 273-277.
4. H.D. Mathur and H.V. Manjunath, "Frequency Stabilization in Multi-Area Power System using Fuzzy Based Integral Controller" In the Proceedings of National Conference on Power Electronics and Intelligent Controller, MNIT, Jaipur,17-18 March, 2007, pp.278-283.
5. H.D. Mathur and S. Ghosh, "A Comprehensive Analysis of Intelligent Controllers for Load Frequency Control" In the Proceedings of IEEE Power India 2006 Conference, Delhi, April 10-12, 2006.
6. H.D. Mathur and S. Ghosh, " A Robust Load Frequency Controller Design based on Quadratic Performance Index for Multi-area Power System" In the Proceedings of the International Conference on Power System Operation in Deregulated Regime, Varanasi, March 6-7, 2006, pp. 122-126.
7. H.D. Mathur and S. Ghosh, "MATLAB/SIMULINK applications in Power system Control", In the Proceedings of National Conference on Energy Management in changing business scenario, Oct 8-10, BITS, Pilani, India, 2005.
8. H.D. Mathur and H.V. Manjunath, "Study of Dynamic Performance of Thermal Units with Asynchronous Tie-lines" **Communicated to** Journal of Electrical Systems.
9. H.D. Mathur and H.V. Manjunath, "Frequency Stabilization using Fuzzy Logic based Controller for Multi-area Power System" **Communicated to** South Pacific Journal of Natural Science

## **Brief Biography of the Candidate**

---

Hitesh Datt Mathur did his B.E. in Electrical Engineering from Nagpur University, Maharashtra in 1998 and M.E. in Electrical Power System from Malviya Regional Engineering College, Jaipur, Rajasthan in 2000. He worked as a Lecturer and Head of Electrical Engineering Department of Sobhasaria Engineering College, Sikar, Rajasthan for two years. He took up teaching and research in Electrical and Electronics Engineering Group from 2001 at Birla Institute of Technology and Science (BITS), Pilani. He has also taught various courses for distance learning programmes of BITS, Pilani in the area of Electrical and Electronics Engineering. He is life member of Indian Society of Technical Education.

## **Brief Biography of the Supervisor**

---

Prof. H.V. Manjunath received his B.E. in Electronics and Communication from Mysore University and M. Sc. (Engg.) and Ph.D. from Indian Institute of Science, Bangalore, India. He worked for Indian Institute of Science, Bangalore, Power supply companies in USA and Central Electronic Engineering Research Institute, Pilani, India before joining Birla Institute of Technology and Science, Pilani, India. He has research experience in power electronics and drives and power systems operations and has several publications in various journals and conferences. His interests are in power electronics, power conditioning systems and power system control. He also got deputed to BITS, Pilani Dubai Campus for a year. Currently, he is Associate Professor at Birla Institute of Technology and Science, Pilani, India.