

***In Journals:***

1. A. Chatterjee, **V. Mukherjee**, and S. P. Ghoshal, "Chaotic ant swarm optimization for fuzzy based tuning of power system stabilizer" under revision *Int. J. Elect. Power and Energy Syst.*
2. A. Chatterjee, **V. Mukherjee**, and S. P. Ghoshal, "Velocity relaxed and craziness-based swarm optimized intelligent PID and PSS controlled AVR system," in press, to be appeared in *Int. J. Elect. Power and Energy Syst.*
3. A. Chatterjee, **V. Mukherjee**, and S. P. Ghoshal, "Velocity relaxed swarm optimized fuzzy intelligent PID controlled AVR system," *J. Inst. Eng. India, pt. EL*, vol. 89, pp. 51-58, Mar. 2009.
4. S. P. Ghoshal, A. Chatterjee, and **V. Mukherjee**, "Bio-inspired fuzzy logic based tuning of power system stabilizer," *Expert Sys. with Applications*, vol. 36, no. 5, pp. 9281-9292, July 2009.
5. **V. Mukherjee**, and S. P. Ghoshal, "Application of capacitive energy storage for transient performance improvement of power system," *Elect. Power Syst. Res.*, vol. 79, no. 3, pp. 282-294, Feb. 2009.
6. **V. Mukherjee**, and S. P. Ghoshal, "Particle swarm optimization-genetic algorithm based fuzzy logic controller for dual input power system stabilizers," *J. Inst. Eng. India, pt. EL*, vol. 88, pp. 36-43, Mar. 2008.
7. **V. Mukherjee**, and S. P. Ghoshal, "Comparison of intelligent fuzzy based AGC coordinated PID controlled and PSS controlled AVR system," *Int. J. Elect. Power and Energy Syst.*, vol. 29, no. 9, pp. 679-689, Nov. 2007.
8. **V. Mukherjee**, and S. P. Ghoshal, "Intelligent particle swarm optimized fuzzy PID controller for AVR system," *Elect. Power Syst. Res.*, vol. 77, no. 12, pp. 1689-1698, Oct. 2007.

***In Proceedings of Conferences:***

9. **V. Mukherjee**, and S. P. Ghoshal, "Craziness based and velocity relaxed swarm optimized intelligent PID controlled AVR system," in *Proc. 2006 IEEE-Power India Conf.*, New Delhi, India, Apr. 2006, [Online]. Available: <http://www.ieeexplore.ieee.org>.
10. S. P. Ghoshal, and **V. Mukherjee**, "PSO/GA-fuzzy logic controller for dual input power system stabilizer," in *Proc. Conf. on AICDIS 2008*, Asansol, India, 3-5 Dec. 2007.
11. **V. Mukherjee**, B. K. Mukherjee, and S. P. Ghoshal, "Design of  $H_\infty$  based robust controller for AVR system," in *Proc. Int. Conf. on Modeling and Simulation MS'07*, Kolkata, India, 3-5 Dec. 2007.
12. **V. Mukherjee**, and S. P. Ghoshal, "A comparative study of intelligent fuzzy based AGC coordinated PSS control and PID control of AVR systems," in *Proc. Int. Conf. on Power Syst. (ICPS 2007)*, CPRI, Bangalore, India, Dec. 2007.
13. **V. Mukherjee**, and S. P. Ghoshal, "Towards input selection and fuzzy based optimal tuning of multi-input power system stabilizer," in *Proc. Fourteen National Power Syst. Conf. (NPSC 2006)*, IIT Roorkee, India, Dec. 2006.

14. **V. Mukherjee**, and S. P. Ghoshal, “GA-fuzzy logic controller for dual input power system stabilizer,” in *Proc. Fourteen National Power Syst. Conf. (NPSC 2006)*, IIT Roorkee, India, Dec. 2006.
15. **V. Mukherjee**, and S. P. Ghoshal, “Velocity relaxed swarm intelligent tuning of fuzzy based power system stabilizer,” in *Proc. 2006 IEEE-Power India Conf.*, New Delhi, India, Apr. 2006, [Online]. Available: <http://www.ieeeexplore.ieee.org>.
16. **V. Mukherjee**, and S. P. Ghoshal, “Swarm optimized intelligent PID controller for AVR system,” in *Proc. Int. Conf. Power Transmission Research Interest and Challenges*, CPRI, Bangalore, India, Dec. 2005.
17. **V. Mukherjee**, and S. P. Ghoshal, “Hybrid optimal control of a single input and a dual input power system stabilizer,” in *Proc. Int. Conf. Energy and Power Syst. (EPS-2005)*, Krabi, Thailand, Apr. 2005.
18. S. P. Ghoshal, and **V. Mukherjee**, “Hybrid fuzzy logic controller for dual input power system stabilizer,” in *Proc. Thirteen National Power Syst. Conf. (NPSC 2004)*, IIT Madras, Dec. 2004, vol. 1, pp. 240-245.
19. **V. Mukherjee**, and S. P. Ghoshal, “Application of genetic algorithm and three varieties particle swarm optimizations to fuzzy based optimal control of a dual input power system stabilizer,” in *Proc. IEEE Bangalore Section Annual Symp. 2004 on Power Syst.*, Indian Institute of Science, Bangalore, India, Dec. 2004.
20. S. P. Ghoshal, S. Roy, and **V. Mukherjee**, “Hybrid GA/particle swarm-fuzzy optimized controllers for a dual input power system stabilizer,” in *Proc. 2nd Int. Conf. Artificial Intelligence in Science & Technology, Horbart, Tashmania, Australia*, 21-25 Nov. 2004, pp. 165-170.