

**List of Publications as on 05.09.2008**

**Department of Electrical Engineering**

**Asansol Engineering College, Asansol, Burdwan, PIN-713304**

<b>Sl. No.</b>	<b>Name of the Author</b>	<b>Title of the Paper</b>	<b>Name of Journal/Conference</b>	<b>National/International</b>
1	<b>J. Mahto</b> , and A. K. Sinha	Decentralized state estimation in large scale interconnected systems	<i>in Conf. N. Syst. Conf.</i> , Trivandrum, 1983.	National
2	<b>J. Mahto</b> , and A. K. Sinha	A decentralized self-tracking control of large interconnected Systems	<i>in Conf. IEEE Conf. on Systems, Man and Cybernetics</i> , New Delhi, 1983.	International
3	<b>J. Mahto</b> , and A. K. Sinha	Bootstrap decentralized identification of large scale interconnected systems	<i>Int. J. of Systems Science</i> , 1984.	International
4	<b>J. Mahto</b> , and A. K. Sinha	A hierarchical self tracking control of two machine system	<i>Int. J. of Systems Science</i> , 1985	International
5	<b>J. Mahto</b> , and A. K. Sinha	On some decentralized aspect of energy management	<i>in. Proc. Tenth National Convention of Electrical Engineering</i> , Patna, 16 <sup>th</sup> -18 <sup>th</sup> Sept., 1994	National
6	<b>J. Mahto</b> , and A. K. Sinha	Decentralized aspect of energy management	<i>in. Proc. N. Seminar of Energy Management</i> , Allahabad, March, 1995.	National
7	<b>J. Mahto</b>	Digital computer process control	<i>in. Proc. N. Seminar on Upgradation of Process Control System</i> , F.C.I, Sindri, March, 1997.	National

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8	<b>J. Mahto</b>	Engineering college in industrial environment	<i>in. Proc. N. Conf.</i> Bokaro Institute of Technology, Bokaro, May, 1998	National
9	<b>J. Mahto</b>	A case study of small power system risk index computation	<i>Electrical India Journal</i> , 30 <sup>th</sup> June, 1998	National
10	<b>J. Mahto</b> , and D. K. Singh	Construction of some error correction codes from Galois ring	<i>in. Proc. N. Conf. and Exhibition on Infrastructural Development in Core Section</i> , M.I.T, Muzaffarpur, 29-30th May, 2000.	National
11	P. Kumar, O. N. Mehrotra, and <b>J. Mahto</b>	Modeling and control of inverted pendulum	<i>in Proc. N. Workshop on Technological Challenge of 21<sup>st</sup> Century – A Road Ahead</i> , BIT Sindri, 8 <sup>th</sup> Feb. 2008.	National
12	<b>V. Mukherjee</b> , and S. P. Ghoshal	Intelligent particle swarm optimized fuzzy PID controller for AVR system	<i>Elect. Power Syst. Res.</i> , vol. 77, no. 12, pp. 1689-1698, Oct. 2007.	International
13	<b>V. Mukherjee</b> , and S. P. Ghoshal	Comparison of intelligent fuzzy based AGC coordinated PID controlled and PSS controlled AVR system	<i>Int. J. Elect. Power and Energy Syst.</i> , vol. 29, no. 9, pp. 679-689, Nov. 2007.	International
14	<b>V. Mukherjee</b> , and S. P. Ghoshal	Particle swarm optimization-genetic algorithm based fuzzy logic controller for dual input power system stabilizers	<i>J. Inst. Eng. India, pt. EL.</i> vol. 88, pp. 36-43, Mar. 2008.	National

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15	V. Mukherjee, and S. P. Ghoshal	Application of capacitive energy storage for transient performance improvement of power system	<i>Elect. Power Syst. Res., in Press, Corrected Proof, Available online 13 August 2008</i>	International
16	V. Mukherjee, and S. P. Ghoshal	Velocity relaxed and craziness-based swarm optimized intelligent PID and PSS controlled AVR system	<i>Under revision, Int. J. Elect. Power and Energy Syst</i>	International
17	S. P. Ghoshal, S. Roy, and V. Mukherjee	Hybrid GA/particle swarm-fuzzy optimized controllers for a dual input power system stabilizer	<i>in Proc. 2nd Int. Conf. Artificial Intelligence in Science &amp; Technology, Hobart, Tashmania, Australia, 21-25 Nov. 2004, pp. 165-170.</i>	International
18	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	<i>in Proc. IEEE Bangalore Section Annual Symp. 2004 on Power System, Indian Institute of Science, Bangalore, India, Dec. 2004.</i>	National
19	S. P. Ghoshal, and V. Mukherjee	Hybrid fuzzy logic controller for dual input power system stabilizer	<i>in Proc. Thirteen National Power System Conference (NPSC 2004), Dec. 2004, vol. 1, pp. 240-245.</i>	National
20	V. Mukherjee, and S. P. Ghoshal	Hybrid optimal control of a single input and a dual input power system stabilizer	<i>in Proc. Int. Conf. Energy and Power Syst. (EPS-2005), Krabi, Thailand, Apr. 2005.</i>	International

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21	V. Mukherjee, and S. P. Ghoshal	Swarm optimized intelligent PID controller for AVR system	<i>in Proc. Int. Conf. Power Transmission Research Interest and Challenges</i> , CPRI, Bangalore, India, Dec. 2005.	National
22	V. Mukherjee, and S. P. Ghoshal	Velocity relaxed swarm intelligent tuning of fuzzy based power system stabilizer	<i>in Proc. 2006 IEEE-Power India Conference</i> , New Delhi, India, Apr. 2006, [Online]. Available: <a href="http://www.ieeexplore.ieee.org">http://www.ieeexplore.ieee.org</a> .	International
23	V. Mukherjee, and S. P. Ghoshal	Towards input selection and fuzzy based optimal tuning of multi-input power system stabilizer	<i>in Proc. Fourteen National Power System Conference (NPSC 2006)</i> , IIT Roorkee, India, Dec. 2006.	National
24	V. Mukherjee, and S. P. Ghoshal	GA-fuzzy logic controller for dual input power system stabilizer	<i>in Proc. Fourteen National Power System Conference (NPSC 2006)</i> , IIT Roorkee, India, Dec. 2006.	National
25	V. Mukherjee, B. K. Mukherjee, and S. P. Ghoshal	Design of $H_{\infty}$ based robust controller for AVR system	<i>in Proc. Int. Conf. on Modeling and Simulation MS'07</i> , Kolkata, India, 3-5 Dec. 2007.	International
26	V. Mukherjee, and S. P. Ghoshal	A comparative study of intelligent fuzzy based AGC coordinated PSS control and PID control of AVR systems	<i>in Proc. Int. Conf. on Power Syst. (ICPS 2007)</i> , CPRI, Bangalore, India, Dec. 2007.	International

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27	S. P. Ghoshal, and V. Mukherjee	PSO/GA-fuzzy logic controller for dual input power system stabilizer	<i>in Proc. N. Conf. on Device, Intelligent System and Communication &amp; Networking (AEC-DISC 2008), Asansol Engg. College, 1-2 Aug. 2008.</i>	National
28	V. Mukherjee, and S. P. Ghoshal	Velocity relaxed and craziness-based swarm optimized intelligent PID controlled AVR system	<i>Accepted for publication in Proc. 2008 IEEE-Power India Conference, New Delhi, India, Oct. 2008.</i>	International
29	S. C. Bera, B. Chakraborty, N. Mandal, and R. Sarkar	Study of electrode polarisation impedance type transducer for the measurement of flow rate of a conducting liquid	<i>Accepted for publication in Int. J. Association for Modeling and Simulation Technique in Enterprise, Franch.</i>	International
30	S. C. Bera, N. Mandal, and R. Sarkar	Study of a modified transducer type temperature indicator using thermocouple	<i>in Proc. Int. Conf. Conference on - Emerging Trends in Electrical Engineering, Jadavpur University, India, 12<sup>th</sup>-14<sup>th</sup> Jan., pp 170-179, 2007.</i>	International
31	S. C. Bera, B. Chakraborty, N. Mandal, and R. Sarkar	Study of electrode polarisation impedance type transducer for the measurement of flow rate of a conducting liquid	<i>in Proc. Int. Conf. Modeling and Simulation MS'07, India, vol 1, 3<sup>rd</sup>-5<sup>th</sup> Dec., pp 332-335, 2007</i>	International

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32	Amar K. Ganguly, <b>R. Sarkar</b> , and Saswata Banerjee	Fluid flow measurements using ultrasonic phase detection method	<i>in Proc. N. Symp. on Instrumentation (NSI-30), Cochin University of Science and Technology, Cochin, Kerala, 30<sup>th</sup> Nov. – 2<sup>nd</sup> Dec., pp. 12, 2005</i>	National
33	S. C. Bera, N. Mandal, and <b>R. Sarkar</b>	A simple technique for the measurement of flow in a pipe line	<i>in Proc. N. Conf. 14<sup>th</sup> West Bengal Science and Technology Congress, Jadavpur University, 27<sup>th</sup> Feb.-1<sup>st</sup> Mar., pp 93-93A, 2007.</i>	National
34	S. C. Bera, <b>R. Sarkar</b> , and N. Mandal	Design of a modified magnetic modulator for measurement of very small output of a transducer	<i>in Proc. N. Conf. 14<sup>th</sup> West Bengal Science and Technology Congress, Jadavpur University, 27<sup>th</sup> Feb.-1<sup>st</sup> Mar., pp 73-793A, 2007</i>	National
35	<b>R. Sarkar</b> , L. Ghosh, N. Mandal, and A. Chatterjee	Study and analysis of MEMS sensor with optimization technique	<i>in Proc. N. Conf. on Device, Intelligent System and Communication &amp; Networking (AEC-DISC 2008), Asansol Engg. College, 1-2 Aug. 2008.</i>	National
36	<b>Bijoy K. Mukherjee</b> , M. Sengupta, S. Das, and A. Sengupta	Design fabrication testing and finite element analysis of a lab-scale LIM	<i>in Proc. IEEE Annual Conf. INDICON 2004, IIT Kharagpur, India, Dec.2004.</i>	International

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37	<b>Bijoy K. Mukherjee</b> , A. Sengupta, M. Sengupta, and S. Maity	Design fabrication of a linear induction motor & simulation of its vector control using PI & $H_{\infty}$ control schemes,	<i>in Proc. 18<sup>th</sup> Int. Conf. on Magnetically Levitated Systems &amp; Electric Drives MAGLEV2004</i> , Shanghai, China, Oct.2004	International
38	V. Mukherjee, <b>B. K. Mukherjee</b> , and S. P. Ghoshal	Design of $H_{\infty}$ based robust controller for AVR system	<i>in Proc. Int. Conf. on Modeling and Simulation MS'07</i> , Kolkata, India, 3-5 Dec. 2007.	International
39	<b>Pabitra Kumar Biswas</b> , Debjani Ganguly, and Kaushik Mukherjee	A SEQUEL software-based model of a permanent magnet synchronous motor drive fed from a voltage source inverter operating under $180^{\circ}$ conduction	<i>in Proc. N. Conf. on Power Electronics</i> , IISc, Bangalore, 16 <sup>th</sup> Dec., 2007.	National
40	<b>Pabitra Kumar Biswas</b> , Debjani Ganguly, and Kaushik Mukherjee	A SEQUEL software-based model of a permanent magnet synchronous motor drive an adjustable-speed one incorporating an SPWM inverter	<i>in Proc. N. Conf. on Power Electronics</i> , IISc, Bangalore, 16 <sup>th</sup> Dec., 2007.	National
41	<b>Atanu Banerjee</b> , and Debjani Ganguly	Real-time simulation of power electronic systems by EP1C12Q240C8 ALTERA EPGA	<i>in Proc. N. Conf. on Device, Intelligent Syst. and Communication &amp; Networking (AEC-DISC 2008)</i> , Asansol Engg. College, 1-2 Aug. 2008.	National
42	R. Sarkar, L. Ghosh, N. Mandal, and <b>A. Chatterjee</b>	Study and analysis of MEMS sensor with optimization technique	<i>in Proc. N. Conf. on Device, Intelligent Syst. and Comm. &amp; Networking (AEC-DISC 2008)</i> , 1-2 Aug. 2008.	National

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43	S. C. Bera, N. Mandal, and <b>R. Sarkar</b>	A modified design of an electronic float transducer for measurement of liquid level	<i>Int. J. Sensor and Transducers</i> , vol. 92, no. 5, pp. 10-15, May 2008.	International