

**PUBLICATIONS**



## PUBLICATIONS IN THE RELATED FIELD

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1. S.D.Lokhande and V.N.Bapat, Internal model based control of a neutralization process, *IChE Journal*, Vol.45, No.4, 2003, pp. 224-228.
2. S.D.Lokhande and V.N.Bapat, Non-linearity estimation of thermocouples using functional link artificial neural network, *Proceedings of the International conference on Evolutionary computing for computer, communication, control, and Power (ECCAP-2000)*, Crescent college of Engineering, Chennai, India, Jan. 4-7, 2000, pp. 119-123.
3. S.D.Lokhande and V.N.Bapat, Modeling of the chemical process using Artificial Neural Network, *National Symposium on Instrumentation (NSI-24)*, Goa University, Goa, India. Mar 2-3,2000, pp. 34-35.
4. S.D.Lokhande and V.N.Bapat, Internal Model Control Implementation using Neural Networks, *National Symposium on Instrumentation (NSI-28)*, Govind Ballabh Pant University of Agriculture and Technology, Pantnagar, Uttaranchal, Dec. 2003, pp 204-205.
5. S.D.Lokhande and V.N.Bapat, Nonlinear internal model control via artificial neural computation, *14<sup>th</sup> ISA/POWID Controls and Instrumentation Conference*, Colorado Springs, CO, June 2004.
6. S.D.Lokhande and V.N.Bapat, Implementation of ANN-IMC controller scheme for nonlinear processes, *Journal of the Electronics and Telecommunication Engineers*, (Accepted for publication)
7. S.D.Lokhande and V.N.Bapat, Nonlinear predictive In-line pH control via Artificial Neural Computation, *International conference on Instrumentation (INCON-2004)*, Pune Institute of Engineering and Technology, Pune, India, Dec. 2004.



## OTHER PUBLICATIONS

1. S.R Sawant., R.R Mudholkar, M.P. Ghatule and S.D. Lokhande, Heat sink Selection – A Fuzzy solution [HSFS], *Journal of Instrument Society of India*, Vol. 31, No 3-4, 2001, pp 252-255.
2. D.S. Mali, S.D.Lokhande and M.D.Uplane, Studies of convergence properties of Least Mean Square algorithm through simulation, *Journal of communications in Instrumentation*, Vol. 6, No. 1, Jan-Mar 1998, pp 15-24.
3. S.D.Lokhande and M.D.Uplane, The computer based data acquisition system for on line monitoring and parameter estimation of Induction Motor, *Proceedings of International conference on computer applications in electrical Engineering: Recent Advances (CERA -97)*, Department of Electrical Engineering, University of Roorkee, Roorkee, India, Aug 8-11,1997, pp. 232-236.
4. S.D.Lokhande, M.S.Chavan & M.S.Gaikwad, Microcomputer based precision measurement of capacitance and it's loss factor using digitally synthesized sources, *Proceedings of National Systems conference (NSC-97)*, DRDO, Hyderabad, India. Jan 23-24, 1998, pp. 55-61.
5. D.S. Mali, S.D.Lokhande & M.D.Uplane, Momentum LMS algorithm and it's properties, *National conference on Advances in Broadband Communications (NCABC-98)*, Walchand College of Engineering, Sangli, India. April 6-7,1998, pp. C9-C12.
6. S.D.Lokhande and M.S.Gaikwad, Design and Development of personal computer based Curie temperature measurement system, *National Symposium on Instrumentation (NSI-23)*, Birla Institute of Technology, Ranchi, India. Oct 7-10,1998, pp. 21-22.
7. S.D.Lokhande, M.S.Gaikwad and M.D.Uplane, Industrial acoustic pollution control", *Proceeding of National conference on Electric materials, Devices and systems, (NCEMDS-99)*, Department of Applied Electronics, Gulbarga University, Gulbarga, India, Jan 18-20, 1999, pp. 379-384.

