

National Conference

2012-2013

1. **K.Srinivasan**, A.Jenesh and K.Anbarasan “Development of Fault Detection and Identification Algorithm for FOPDT and SOPDT Processes using Fast Fourier Transform Technique” Recent Trends in Instrumentation and Control (RTIC- 2013) ,National Conference,MIT, Chennai, March 22-23,2013
2. R.Dinesh Kumar, **K.Srinivasan**, V.Sridevi A Multisensor Data Fusion using Different State Estimators” Recent Trends in Instrumentation and Control (RTIC- 2013) ,National Conference,MIT, Chennai, March 22-23,2013
3. R.Dinesh Kumar, K.Srinivasan, **V.Sridevi** A Multisensor Data Fusion using Different State Estimators” Recent Trends in Instrumentation and Control (RTIC- 2013) ,National Conference,MIT, Chennai, March 22-23,2013

2009-2010

1. B.V.M.P Santhosh Kumar, **M. Umamathy**, U. Varun Kumar, K. Suresh and G. Uma, “Design of piezo laminated cantilever based phase detector” Proceedings of 4th ISSS National Conference on Microsystems, smart materials and structures ISSS-2010, NIT, Nagpur, September - October 2010.
2. L.R. Karlmarx, **M. Umamathy** , D. Ezhilarasi, “Design and implementation of discrete time sliding mode model following control” Proceedings of 4th ISSS National Conference on Microsystems, smart materials and structures ISSS-2010, NIT, Nagpur, September - October 2010.
3. U.Varun Kumar, **M. Umamathy**, B.V.M.P.Santhosh kumar, K. Suresh and G. Uma “Smart structure for measuring angular velocity”, Proceedings of 4th ISSS National Conference on Microsystems, smart materials and structures ISSS-2010, NIT, Nagpur, September - October 2010.
4. L.R. Karlmarx, **M. Umamathy** , D. Ezhilarasi, “Design and implementation of discrete time sliding mode model following control with nonlinear sliding surface” Accepted for presentation in the 34th National System Conference (NSC-2010), NITK-Surathkal, 10th -12th December, 2010.

5. S.Meenatchisundaram, Dr. S.M. Kulkarni, Dr. P.R. Venkateswaran, **G. Uma** and Dr. M. Umapathy , “Design and Range Analysis of Micro Pressure Sensors”, Proceedings of National Conference on ICT: Theory, Applications and Practices, Sir Padampat Singhanian University, Udaipur, 2010.
6. B.V.M.P Santhosh Kumar, **M. Umapathy**, U. Varun Kumar, K. Suresh and **G. Uma**, “Design of piezo laminated cantilever based phase detector” Proceedings of 4th ISSS National Conference on Microsystems, smart materials and structures ISSS-2010, NIT, Nagpur, 2010.
7. U. Varun Kumar, **M. Umapathy**, B.V.M.P.Santhoshkumar, K. Suresh and **G. Uma** “Smart structure for measuring angular velocity” Proceedings of 4th National Conference on Microsystems, smart materials and structures ISSS-2010, NIT, Nagpur, 2010.
8. S. Meenatchisundaram, S.M. Kulkarni, P.R. Venkateswaran, **G. Uma** and M. Umapathy, “Design and Range Analysis of Micro Pressure Sensors” Proceedings of National Conference on ICT: Theory, Applications and Practices, Sir Padampat Singhanian University, Udaipur, 2010
9. L.R. Karl Marx, M. Umapathy, D. **Ezhilarasi**, “Design and Implementation of discrete Time Sliding Mode Model Following Control with Nonlinear Sliding Surface”, Proceedings of the 34th National Systems Conference NSC-2010, Dec. 2010
10. T. Vinopraba, **N.Sivakumaran**, and **S.Narayanan** “PI stabilization for Inverse response Processes”, Proceedings of CHEMCON 2010, December 27-29, 2010, pp. 278, Chidambaram

2008-2009

1. K. Suresh, B.V.M.P.Santosh Kumar, U. Varun Kumar, G.Uma, **M.Umapathy**, “ A novel thickness measurement using a piezo laminated cantilever resonator”, Proceedings of National Conference ICECON 09, National Institute of Technology, Trichy, pp no. 52-55, 2009.
2. K. Suresh, B.V.M.P.Santosh Kumar, U. Varun Kumar, **G.Uma**, M.Umapathy, “A novel thickness measurement using a piezo laminated cantilever resonator” Proceedings of National Conference ICECON 09, National Institute of Technology, Trichy, pp no. 52-55, 2009.
3. **S.Narayanan**, “Stabilization using fractional order PID controllers for unstable first order plus time delay system”, chemcon, 2009, Vizag.
4. R. Shanmugapriya, **D. Ezhilarasi**, “Design of Multirate Output Feedback Controller for Liquid Level System”, Proceedings of the National Conference on Power

Electronics and Renewable Energy Systems, PEARES -2009, SSN College of Engineering, Chennai, March 2009

5. D. Maheshwari, S.K. Patnaik, **D. Ezhilarasi**, B. Umamaheswari “Design of output feedback based sliding mode controller for piezo actuated cantilever beam”, Proceedings of the National Conference on Power Electronics and Renewable Energy Systems, PEARES -2009, SSN College of Engineering, Chennai, March 2009
6. R. Shanthi, **D. Ezhilarasi**, “Design of Neural network Controller for Piezoelectric Smart Beam”, Proceedings of the National Conference on Power Electronics and Renewable Energy Systems, PEARES -2009, SSN College of Engineering, Chennai, March 2009
7. V.Sridevi, D.Rathikarani, K.K.Anilkumar, **N.Sivakumaran**, “Minimum variance controller using Recursive Least Determinant algorithm”, *Journal of Instrument society of India*,2009.
8. S.Narayanan, **T.Vinopraba**, N.Sivakumaran, “Stabilization using Fractional order PID^μ controllers for First order Unstable Time Delay systems”, TS 1057, Proceedings of Chemcon 2009, December 27- 29, Andhra university, Vishakapatnam
9. T.Vinopraba, **N.Sivakumaran**, T.K.Radhakrishnan, “Implementation of Decentralised Controller for Couple tank system”, TS 1212, Proceedings of Chemcon 2009, December 27- 29, Andhra university, Vishakapatnam

2007-2008

1. R.Maheswari, **M.Umapathy**, D.Ezhilarasi, “ State feedback based periodicoutput feedback control for piezo actuated structure cantilever beam”,ICECON 07 , NIT,- Trichy, 2007
2. M. Shanmugavalli, **G. Uma**, **B. Vasuki**, M. Umapathy Parameter variation analysis of Cantilever beam”,,”Proceedings of 3rd National Conference on Instrumentation and control Engineering ICECON 07, NITT, pp 109 to 112.
3. **Narayanan S.**, “A tutorial on fractional order controller”, National conference on Electrical Engineering and Embedded system (NCEEE08), Chennai, India.

2006-2007

1. P.Vetrivel, G.Uma, M.Umapathy, “Design & simulation of high Q micromechanical resonator”, Proceedings of 11th National Seminar on Physics and Technology of Sensors, Pune , 2006
2. P.Vetrivel, **G.Uma**, M.Umapathy, “Design & simulation of high Q micromechanical resonator” Proceedings of 11th National Seminar on Physics and Technology of Sensors, Pune, 2006.

3. **N. Sivakumaran** and T. K. Radhakrishnan, 'Control of Neutralization Process Using Recurrent Neural Networks', Paper No. 721, Presented at CHEMCON 2006, Dec. 26-29, 2006
4. R. Maheshwari, M. Umapathy, **D. Ezhilarasi**, " State Feedback based Periodic Output Feedback Control for Piezoactuated Beam", Proceeding of 3rd National Conference on Instrumentation and Control Engineering ICECON 07, NITT, pp No. 113-116, 2007

2005-2006

1. **Srinivasan K.** " Development of Feed Forward Neuro Dynamic Model for Three Tank Process" . National Conference on Process Identification, Control and Diagnosis (NCPICD – 2005) proceedings, Page No. 239-245 held at Madras Institute of Technology, Chennai
2. G.Uma, **B.Vasuki** and S.Meenachisundar "Signal Acquisition and Display of Pulse Waveform from the radial Artery using Piezosensor", National Conference on Bio-Instrumentation 2005, Conducted by ISOI, IISc, Bangalore and Royal Institute of Technology, Andhrapradesh, March 19th-20th.
3. Narayanan S., Kanagasabapathy P.and Prakash J. (2005), 'Novel Formulation in Computation of Stabilizing PI Controllers of open loop unstable system with RHP Complex zeros', 2nd National Conference on Instrumentation and Control (ICECON2005), Tiruchirapalli, India
4. Narayanan S., Kanagasabapathy P.and Prakash J. (2005), 'Relative Stability Analysis of First Order Plus Time Delay System under PI Control for Simultaneous Parameter Variation', National Conference on Process Identification, Control and Diagnosis (NCPICD2005), Chennai, India.