

## LIST OF PUBLICATIONS

1. **Arunkumar, A**, Sakthivel, R, Mathiyalagan, K & Marshal Anthoni, S 2013, 'State estimation for switched discrete-time stochastic BAM neural networks with time varying delay', *Nonlinear Dynamics*, vol.73, pp.1565-1585.
2. **Arunkumar, A**, Sakthivel, R, Mathiyalagan, K & Marshal Anthoni, S 2012, 'Robust stability criteria for discrete-time switched neural networks with various activation functions', *Applied Mathematics and Computation*, vol.218, no.22, pp.10803-10816.
3. **Arunkumar, A**, Mathiyalagan, K, Sakthivel, R & Marshal Anthoni, S 2012, 'Robust Passivity of fuzzy cohen-grossberg neural networks with time-varying delays', *Communications in Computer and Information Science*, vol.283, pp.255-262.
4. Sakthivel, R, **Arunkumar, A**, Mathiyalagan, K & Marshal Anthoni, S 2011, 'Robust passivity analysis of fuzzy cohen-grossberg BAM neural networks with time-varying delays', *Applied Mathematics and Computation*, vol.218, no.7, pp.3799 -3809.
5. Vadivel, P, Sakthivel, R, Mathiyalagan, K & **Arunkumar, A** 2013, 'Robust state estimation for uncertain fuzzy BAM networks with time varying delays', *Physica Scripta*, vol.88, pp.035008.
6. Sakthivel, R, Anbuwithya, R, Mathiyalagan, K, **Arunkumar, A** & Prakash, P, 'New LMI-based passivity criteria for neutral-type BAM neural networks with randomly occurring uncertainties', *Reports on Mathematical Physics*, (Accepted).

7. **Arunkumar, A**, Mathiyalagan, K, Sakthivel, R & Marshal Anthoni, S 'Robust state estimation for discrete-time BAM neural network with time-varying delay', *Neurocomputing*, (Revised).
8. Vadivel, P, Sakthivel, R, Mathiyalagan, K, **Arunkumar, A** & Thangaraj, P 'State estimation for bidirectional associative memory networks with time delay in leakage term and mixed delays', *IEEE Transactions on Neural Networks and Learning Systems*, (Revised).
9. Vadivel, P, Sakthivel, R, Mathiyalagan, K & **Arunkumar, A**, 'Fault-distribution dependent reliable  $H_\infty$  control for TS fuzzy systems - A Lyapunov approach', *Journal of Dynamic Systems, Measurement, and Control*, (Revised).
10. Srimanta Santra, Sakthivel, R, Mathiyalagan, K & **Arunkumar, A**, 'Reliable robust control design for uncertain mechanical systems', *International Journal of Control*, (Revised).