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Area of Specialization: Process Control and Instrumentation, Deep Learning

LIST OF PUBLICATIONS (Last 5 years)

Journal Publications

1. M.Chitra and N.Pappa, "Estimation of fungal biomass using multiphase artificial neural network based dynamic soft sensor", *Journal of microbiological methods*, Vol.159, pp.5-11,2019.
2. P.Bhanu and N.Pappa, "Harmonic Level minimization Using Neuro-Fuzzy-Based SVPWM", *IETE Journal of Research*, Vol.64(2), pp.247-262,2017.
3. P.Bhanu, N.Pappa, "SVPWM: Torque Level Controlling of Wind Turbine System using Fuzzy and ABC-DQ Transformation", *International Journal of Fuzzy Systems, Springer Journal*, 2016.DOI 10.1007/s40815-016-0157.
4. Shanthi C and Pappa N, "An Artificial Intelligence based Improved Classification of Two-Phase Flow Patterns with Feature Extracted from Acquired Images", *ISA Transactions*, Vol.68, pp 425-432, 2016.
5. Anuj Abraham, N.Pappa, "Experimental Validation of an enhanced Optimal Adaptive Control Scheme using Dominant Poles for a Variable Area Process", *Journal of Control Engineering and Applied Informatics*, Vol.8(2), pp.28-36.
6. Anuj Abraham, N Pappa, Daniel Honc, Rahul Sharma, "A hybrid method for determination of effective poles using clustering dominant pole algorithm", *International Journal of Mathematical, Computational, Natural and Physical Engineering*, Vol. 7 (3), pp. 102-106, 2015. (ISSN: 1307-6892).
7. Ashwini Devi M., Anuj Abraham, Sathya R., Dr. N. Pappa, "Real-time Implementation and Design of a Sensor to determine Sulphur Content Variations in Kerosene Mixture", *International Journal of Applied Engineering Research*, Vol. 10 No.55, 2015. (ISSN 0973-4562).
8. P.Bhanu, N.Pappa, "Fuzzy Logic based control of wind turbine driven DFIG" *International Journal of Applied Engineering and Research*, Vol.10, No.10, pp.9946-9952, April 2015.
9. P. Chelliah, Pappa Natarajan, C. Vijayalakshmi "Hybrid MAC Protocol Design For WBAN to Provide High QOS for Patients in Intensive Care Unit", *International Journal of Applied Engineering Research*, ISSN 0973-4562 Vol. 10 No.20 (2015)

International Conferences

1. M Ashwini, Devi, Anuj Abraham, R Sathya, N Pappa, "Real time Implementation and Design of a Sensor to determine Sulphur Content Variations in Kerosene Mixture", *Proceedings of the International Conference on Advances in Applied Engineering and Technology ICAET 2015*, Syed Ammal Engineering College, Ramanathapuram, Tamil Nadu, India, pp. 1-5, 2015.
2. Anuj Abraham, N Pappa, Daniel Honc, Rahul Sharma, "A hybrid method for determination of effective poles using clustering dominant pole algorithm", *Proceedings of the XIII International Conference on Electrical Engineering, Computer Science and Technology*, WASET, Prague, Czech Republic, March 23 - 24, 2015.
3. Vetriselvi, Anuj Abraham, N. Pappa, "Systematic approach in tuning PID controller for a high purity control of Binary Distillation column based on reduced order model: A Case study", *Proceedings of the International Conference on Electrical, Electronics and Computer Engineering - ICEECE '15*, Vivekanandha College of Engineering for Women, Tiruchengode, Tamil Nadu, India March 11-12, 2015.

National Conferences

1. Ganesh Muralidharan, Anuj Abraham, N Pappa, "Modeling and control of a multicomponent crude distillation column", ***Proceedings of the 3rd National Conference on Recent Trends in Instrumentation and Control (RTIC -15)***, Anna University, Chennai, India, pp. 5-13, 2016.
2. V Vetrivel, Anuj Abraham, N Pappa, "Systematic approach in tuning PID controller for a high purity control of Binary Distillation column based on reduced order model: A Case study", ***Proceedings of the UGC, DST sponsored 2nd National Conference on Recent Trends in Instrumentation and Control (RTIC -15)***, Anna University, Chennai, India, pp. 25-34, 2015.
3. P.Bhanu, N.Pappa, "Control of wind turbine driven DFIG" was presented in ***Recent Trends in Instrumentation and Control RTIC- 2015***, National conference at Madras Institute of Technology, March 2015.