

LIST OF PUBLICATIONS

Dr.S.Selva Kumar, M.Tech., Ph.D.

1. Selva Kumar S., Thirunavukkarasu I., and Santhosh Kumar P.L., "Experimental Validation of PI Controller based on Pole Placement for a Batch Distillation Column", International Journal of Pure and Applied Mathematics, Vol.118, No.9, pp.413-419, 2018.
2. Selva Kumar S., Thirunavukkarasu I., and Santhosh Kumar P.L., "Decentralized PI Controller with Decoupler for the Distillation Column", International Journal of Pure and Applied Mathematics, Vol.118, No.10, pp. 123-129, 2018.
3. Selva Kumar S., Thirunavukkarasu I., and Santhosh Kumar P.L., "Smith Predictor Based Pi Controller Design for a Batch Distillation Column", International Journal of Pure and Applied Mathematics, Vol.118, No.22, pp. 1109-1115, 2018.
4. S.Selvakumar, Revathy Priyadharshini.K, I. Thirunavukkarasu, Sheesha.C, Vinayambika S. Bhat, "Decentralized PI Control Design for a Pilot Plant Distillation System using LMI Approach", Journal of Adv Research in Dynamical & Control Systems, Vol. 10, 07-Special Issue, pp. 896-902, 2018.
5. Dr. S. Selvakumar Ms. Ambika, "Modelling and Calibration of electrical Capacitance Tomography sensor for Medical Imaging", Biomedical and Pharmacology Journal, Vol 11(3), pp. 1471-1477, 2018.
6. Selva Kumar S. Jayapriya M., Shashank Yadava, Ram Aravind R., Sathvik S., and Lekshmi R. R, "Implementation of Fuzzy Based Frequency Stabilization Control Strategy in Raspberry Pi for a Wind Powered Microgrid", Procedia computer science, Vol. 115, pp. 151-158, 2017.
7. Selva Kumar S, Joseph Xavier R, Balamurugan S, "Development of Control Schemes and Optimal Tuning of Secondary Controllers for Parallel Operation of Gas Turbine Plants", Journal of Electrical Engineering, Vol. 17, Edition 4, 2017.
8. Selva Kumar, S, Joseph Xavier, R & Balamurugan S, "Fuzzy Gain Scheduling for Load Frequency Control of Single Area Multi Source Hydro-Thermal-Gas Turbine System", Journal of Basic and Applied Sciences, Vol. 10, No. 5, pp. 137-143, 2016.
9. Selva Kumar, S, Vignesh Venkiteswaran, R. Udhayaraj, "Development of Optimal Controller for Large Signal and Small Signal Model of Gas Turbine Plant using Particle Swarm Optimization", International Journal of Control Theory and Applications Vol. 9, No.16, pp. 8245- 8255, 2016.
10. Selva Kumar, S, Balamurugan, S & Joseph Xavier R, "Genetic Algorithm Tuned Load Frequency Control of Multi Source Multi Area Hydro Thermal Gas Turbine System", International Journal of Applied Engineering Research Publication, Vol. 10, No.55, pp. 3193-3197, 2015.
11. S. Selva kumar, Arjun VR, Sreeshitha Sreedhar, Sriramakrishnan S and Vignesh A, "Electric Soft Starters for induction Motors", International Journal of Applied Engineering Research Publication, Vol. 10, No.55, pp. 3531-3535, 2015.
12. S. Selva kumar and Neenu Elza Cherian, "Scheduling of Shiftable loads for demand side management", International Journal of Applied Engineering Research Publication, Vol. 10, No.20, pp. 18862-1886, 2015.
13. S. Selva kumar and Jerry Jacob, "Sliding mode Control of VTOL System", International Conference on Material Science and Manufacturing Technology 2019 (ICMSMT-2019),The Hotel Aloft, Coimbatore during 12 th and 13 th April, 2019
14. S. Selva kumar and Anjana, "A Comparative study of controllers for QUANSER QUBE Servo2 Rotary inverted Pendulum", International Conference on Advances in Electrical and Computer Technologies 2019 (ICAECT-2019),The Hotel Aloft,Coimbatore during 26 th &27 th April 2019
15. S. Selva kumar and Ambika Mariappan, "Modelling and Calibration of electrical Capacitance Tomography sensor for Medical Imaging", International conference on engineering and advancement in technology-2018, Sri Krishna college of Technology, Coimbatore during 22 nd & 23 rd March 2018
16. S. Selva kumar and Dr. I. Thirunavukkarasu, "Experimental Validation of PI controller based on Pole Placement for a Batch Distillation Column", International conference on engineering and advancement in technology-2018, Sri Krishna college of Technology, Coimbatore during 22 nd & 23 rd March 2018
17. S. Selva kumar and Dr. I. Thirunavukkarasu, "Decentralised PI controller with Decoupler for the Distillation Column", International Conference on Electrical, Electronic, Instrumentation and computer communications 2017, Karpagam College of Engineering, Coimbatore during 19 th &20 th Jan 2017
18. S. Selva kumar, Joseph Xavier, R & Balamurugan S, "Common error reference based parallel operation of gas turbine plants", International conference on intelligent computing, instrumentation and control

technologies 2017, Vimal Jyothi Engineering college, kannur, kerala during 6 th & 7 th Jul 2017

19. S. Selva kumar, Joseph Xavier, R & Balamurugan S, "Small Signal Modelling of Gas Turbine Plant for Load Frequency Control", IEEE Biennial International Conference on Power and Energy Systems-Towards Sustainable Energy PESTSE 2016, Amrita Vishwa Vidyapeetham, Bengaluru, India during Jan 2016
20. S. Selva kumar, Joseph Xavier, R & Balamurugan S, "Fuzzy Gain Scheduling for Load Frequency Control of Single Area Multi Source Hydro-Thermal- Gas Turbine System", International Conference on Intelligent Computing and Applications ICICA- 2015, KCG College of Technology, Chennai, India during Dec 2015
21. S. Selva kumar and Dr. I. Thirunavukkarasu, "Smith Predictor based PI controller design for a batch Distillation Column", National conference on Emerging trends in Electronics, Instrumentation, Automation and Control, Karpagam College of Engineering, Coimbatore during 16 th March 2018
22. Ambika, M., Selvakumar, S., Manikandan, K., Padmanaban, R. "Modelling, Calibration and Fabrication of Electrical Capacitance Tomography Sensor for Bone Imaging", IOP Conference Series: Materials Science and Engineering, Vol 577, Issue 01, 2019.
23. Jacob, J., Selva Kumar, S. "Sliding Mode Control of VTOL System", IOP Conference Series: Materials Science and Engineering, Vol 561, Issue 01, 2019.
24. Aseem, K., Selva Kumar, S. " A novel controller for isolated solar photovoltaic system with super conducting magnetic energy storage and fault ride through capability", International Journal of Engineering and Advanced Technology, Vol 9, Issue 01, 2019.
25. Aseem, K., Selva Kumar, S. " Closed loop control of dc-dc converters using pid and fopid controllers", International Journal of Power Electronics and Drive Systems, Vol 11, Issue 03, 2020.
26. Aseem, K., Selva Kumar, S. "Energy management controller for grid connected solar PV system with smes-battery hybrid energy storage", Journal of Advanced Research in Dynamical and Control Systems, Vol 12, Issue 04 Special, 2020.