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➤ **Anna University Recognized PhD Supervisor under Faculty of Electrical Engineering (Recognition No.: 3330024)**

Area of specialization

Embedded Systems, Nonlinear Control Engineering, Cyber Physical Systems, Robotics And Control, Soft Computing, Real Time Operating Systems

Journal Publications

1. *Online Optimization Based Model Predictive Control on Two Wheel Segway System* in materials today: Proceedings, **Elsevier**, May 2020 (Published Online). (Scopus)
2. *Power Management Storage through Local Consumer Demand Control Using IOT* in materials today: Proceedings, **Elsevier**, May 2020 (Published Online). (Scopus)
3. *Detection of Moving Object in Dynamic Visual Sequences Based on Partial Least Squares Classifier* in Journal of Medical Systems, vol. 43, no. 259, **Springer**, July 2019. (SCI)
4. *Fault Data Injection Attack on Nonlinear Physical System and Mitigation Based on Interval Type2-Fuzzy Logic Controller* in **IET Cyber Physical Systems: Theory & Applications**, OCT, 19, 2018. (Scopus)
5. *Fuzzy PD Plus I Control based Adaptive Cruise Control System in Simulation and Real- time Environment* in **IETE Journal of Research**, **Taylor & Francis**, vol. 64, pp. 1-11, 2018 , Print ISSN: 0377-2063, Online ISSN: 0974-780X, (SCI), IF– 0.909.
6. *Formation Control of Cyber Physical Robots in Marine Applications* in Indian Journal of Geo Marine Sciences, Vol. 47 (08), August 2018, pp 1-10, (SCI).
7. *Anfis Classifier Based Moving Object Detection and Segmentation in Indoor and Outdoor Environments* in Current Signal Transduction Therapy, Bentham Science, vol.14, no.1, 2019, pp 21-30. (Scopus).
8. *ANN-based Maximum Power Point Tracking for a Large Photovoltaic Farm Through Wireless Sensor Networks* in Current Signal Transduction Therapy, Bentham Science, vol.14, no.1, 2019, pp 38-48. (Scopus).
9. *Implementation Analysis on Parallel Parking Scheme for Autonomous Robots based on Nonholonomic Constraints* in Current Signal Transduction Therapy, Bentham Science, vol.13, 2018, pp 44-48. (Scopus).
10. *Performance Investigation of SHE PWM Implementation of GA Based LCL Resonant Inverter in Marine Applications* in Indian Journal of Geo Marine Sciences, Vol. 46 (09), Sept 2016, pp 1889-1898, (SCI).
11. *Performance Investigation of Genetic Algorithm based LCL Resonant Converter in Marine Applications* in Indian Journal of Geo Marine Sciences, Vol. 45(10), Oct 2016, pp 1377-1388, (SCI).
12. *Closed Loop Performance Investigation Of Chopper Fed Dc Motor Using Various Controller* in International Journal of Applied Engineering Research, Volume 10, Number 55 (2015).
13. *A Soft Computing based Analysis on Moisture Control in Paper Industry* in International Journal of Applied Engineering Research, Volume 10, Number 55 (2015).
14. *Model Predictive Control Law of Buck-Boost Converter Based on Piecewise Affine Modelling* in International Journal of Applied Engineering Research, Volume 10, Number 55 (2015).

Materials Journal (ISSN:1660-9336) under the volume-573 titled “Advancements in Automation and Control Technologies” JUNE 2014 Edition.(Scopus)

16. ***An Integrated Design of Current Conveyor II based Analog PID Controller and Analyze the Control by using PID tuning rule*** in the Applied Mechanics & Materials Journal (ISSN:1660-9336) under the volume-573 titled “Advancements in Automation and Control Technologies” JUNE 2014 Edition.(Scopus)

17. ***Implementation of Object Recognition based on Local Texture Operators in FPGA Technology*** in the Applied Mechanics & Materials Journal (ISSN:1660-9336) under the volume-573 titled“Advancements in Automation and Control Technologies” JUNE 2014 Edition. (Scopus)

18. ***A Novel Approach for Content Based Microscopic Image Retrieval System Using Decision Tree Algorithm*** in International Journal of Scientific & Engineering Research MAY 2013 Edition. (Thomson Reuters)

19. ***An Integrated & Efficient approach for Enhanced Medical Image Compression Using SPIHT & LZW coding*** in International Journal of Scientific & Engineering Research FEB 2013 Edition. (Thomson Reuters)

20. ***An Early screening system for the detection of Diabetic Retinopathy using Image processing*** in International Journal of Computer Applications JAN 2013 Edition.

21. ***An Efficient approach for the Real time Tracking of Intruder & Abandoned object detection*** in International Journal of Computer Applications SEP 2012 Edition.