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Area of Specialization: Navigation Guidance & Control, Image Processing

LIST OF PUBLICATIONS (Last 5 years)

Journal Publications

1. B. Anbarasu, G. Anitha. (2020), "Indoor Scene recognition for Micro Aerial Vehicles Navigation using Enhanced SIFT-ScSPM Descriptors" **Journal of Navigation** 73:1, pages 37-55.
2. Nagothu S.K., Anitha G. (2019), "Automatic Landing Site Detection for UAV Using Supervised Classification. In: Rao P., Rao K., Kubo S. (eds) **Proceedings of International Conference on Remote Sensing for Disaster Management, Springer Series in Geomechanics and Geoengineering. Springer, Cham.** https://doi.org/10.1007/978-3-319-77276-9_27.
3. Anitha, G., Baghavathi Priya (2019) S, "Posture based health monitoring and unusual behavior recognition system for elderly using dynamic Bayesian network", **Cluster Computing** 22, 13583–13590. <https://doi.org/10.1007/s10586-018-2010-9>.
4. Anbarasu, B; Anitha, G (2018), "Indoor Scene Recognition for Micro Aerial Vehicles Navigation using Enhanced-GIST Descriptors", **Defence Science Journal**, Vol. 68, No. 2, pp. 129-137, DOI : 10.14429/dsj.68.10504.
5. Nagothu S.K., Anitha G. (2017), "Low-Cost Smart Watering System in Multi-soil and Multi-crop Environment Using GPS and GPRS". In: Satapathy S., Prasad V., Rani B., Udgata S., Raju K. (eds) **Proceedings of the First International Conference on Computational Intelligence and Informatics. Advances in Intelligent Systems and Computing**, vol 507. **Springer, Singapore.** https://doi.org/10.1007/978-981-10-2471-9_61
6. Moses E., David Boon; Anitha, G (2017), "Goal Directed Approach to Autonomous Motion Planning for Unmanned Vehicles", **Defence Science Journal**, Vol. 67 Issue 1, p45-49.
7. Nithiyanantham, K. and Anitha, G. and Mohankumar, M (January 12, 2016), "Design and Development of Co-Axial Rotor Craft (Fly Ball)", **Australian Journal of Basic and Applied Sciences**, Vol. 10(5), Pages: 95-102, 2016, Available at SSRN: <https://ssrn.com/abstract=2792687>
8. Anbarasu, B. and Anitha, G (2016), "Vision-Based Runway Recognition and Position Estimation for UAV Autonomous Landing", **Australian Journal of Basic and Applied Sciences**, 10(5) Special 2016, Pages: 83-94, Available at SSRN: <https://ssrn.com/abstract=2792686>
9. Nagothu, S.K., Anitha, G (2016), "INS—GPS integrated aid to partially vision impaired people using Doppler sensor", In: 2016 **3rd International Conference on Advanced Computing and Communication Systems (ICACCS)**, Coimbatore, pp. 1–4 (2016).
10. Nagothu, S.K., Kumar, O.P., Anitha, G (2016), "GPS aided autonomous monitoring and attendance system" **Procedia Computer Science** 87, 99–104, ISSN 1877–0509.
11. Nagothu, S.K. Anitha, G (2015), "INS-GPS enabled driving aid using Doppler sensor", In: 2015 **International Conference on Smart Sensors and Systems (IC-SSS)**, Bangalore, pp. 1–4.