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Current Research Interests: Computer Vision, Artificial Intelligence, Evolutionary Algorithm, Swarm Intelligence, Deep Learning

Biographical Information:

Dr. HathiramNenavath received the B.Tech degree from The Jawaharlal Nehru Technological University Hyderabad, India, in 2006, the ME degree from Indian Institute of Science (IISc), Bangalore, India, in 2008 and the Ph.D. degree from the National Institute of Technology (NIT), Warangal, Telangana, India. He is currently with the Department of Electronics and Communication Engineering, Vardhaman College of Engineering, Hyderabad, India.

Selected Publications: (Top 5 Papers)

1. **HathiramNenavath**, Ravi Kumar Jatoth, SeyedaliMirjalili, Trigonometric Particle Filter for intelligent visual tracking, **ISA Transactions, Elsevier**, 2021, DOI: <https://doi.org/10.1016/j.isatra.2021.09.014>, (Impact Factor 5.468). (SCI)
2. M. Narayana, **HathiramNenavath**, Salim Chavan, L. Koteswara Rao, Intelligent visual object tracking with particle filter based on modified grey wolf optimizer, **Optik - International Journal for Light and Electron Optics**, 193 (2019) 162913, **Elsevier**, (Impact Factor 2.443). (SCI)
3. **HathiramNenavath**, Ravi Kumar Jatoth, Hybrid SCA-TLBO: A novel optimization algorithm for global optimization and visual tracking, **Neural Computing and Applications**, 31 (9) (2019) pp. 5497–5526, **Springer**, (Impact Factor 5.606). (SCI)
4. **HathiramNenavath**, Ravi Kumar Jatoth, Hybridizing sine cosine algorithm with differential evolution for global optimization and object tracking, **Applied Soft Computing**, 62 (2018) pp. 1019–1043, **Elsevier**, (Impact Factor 6.725). (SCI)
5. **HathiramNenavath**, Ravi Kumar Jatoth, Swagatam Das, A Synergy of the Sine-Cosine Algorithm and Particle Swarm Optimizer for Improved Global Optimization and Object Tracking, **Swarm and Evolutionary Computation**, 43 (2018) pp. 1–30, **Elsevier**, (Impact Factor 7.177). (SCI)

Patents Published/Granted: (1-Published)

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On-Going Research Projects:

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