















- [3] Q. Zhao and C. Li, "Two-Stage Multi-Swarm Particle Swarm Optimizer for Unconstrained and Constrained Global Optimization," in *IEEE Access*, vol. 8, pp. 124905-124927, 2020, doi: 10.1109/ACCESS.2020.3007743.
- [4] Y. Xiaojing, J. Qingju and L. Xinke, "Center Particle Swarm Optimization Algorithm," 2019 IEEE 3rd Information Technology, Networking, Electronic and Automation Control Conference (ITNEC), Chengdu, China, 2019, pp. 2084-2087, doi: 10.1109/ITNEC.2019.8729510.
- [5] S. Yang, W. Min, L. Zhao and Z. Wang, "Image Noise Reduction via Geometric Multiscale Ridgelet Support Vector Transform and Dictionary Learning," in *IEEE Transactions on Image Processing*, vol. 22, no. 11, pp. 4161-4169, Nov. 2013, doi: 10.1109/TIP.2013.2271114.
- [6] Yi-hua Zhu, Wan-deng Wua, Jian Pan and Yi-ping Tang, "An energy-efficient data gathering algorithm to prolong lifetime of wireless sensor networks," *Computer Communications*, Elsevier Journal., 2010
- [7] Rajeev Gupta, and Krithi Ramamritham, "Query Planning for Continuous Aggregation Queries over a Network of Data Aggregators", *IEEE Transactions on Knowledge and Data Engineering*, Vol. 24, No. 6, June 2012
- [8] Jang-Ping Sheu, Prasan Kumar Sahoo, Chang-Hsin Suand Wei-Kai Huc, "Efficient path planning and data gathering protocols for the wireless sensor network", *Computer Communications*, Elsevier Journal, 2010
- [9] Tao Shu, Marwan Krunz, and Sisi Liu, "Secure Data Collection in Wireless Sensor Networks Using Randomized Dispersive Routes," *IEEE Transactions on Mobile Computing*, Vol. 9, No. 7, July 2010
- [10] Ozlem DurmazIncel, Amitabha Ghosh, Bhaskar Krishnamachari, and Krishna ant Chintalapudi, "Fast Data Collection in Tree-Based Wireless Sensor Networks", *IEEE Transaction on Mobile Computing*, 2012
- [11] Leandro Aparecido Villas, Azzedine Boukerche, Heitor, "DRINA: A Lightweight and Reliable Routing Approach for In-Network Aggregation in Wireless Sensor Networks", *IEEE Transactions on Computers*, Vol. 62, No. 4, April 2013
- [12] Yuan, Zhan, Wang, "Data Density Correlation Degree Clustering Method for Data Aggregation in WSN", *IEEE Sensors Journal*, Vol.14, No.4 , April 2014
- [13] Bhasker, "Genetically derived secure cluster-based data aggregation in wireless Sensor networks", *IEEE Transaction on Information Security*, Vol. 8, No.1, Jan. 2014
- [14] Habib, Marimuthu, "Data aggregation at the gateways through sensors' tasks scheduling in wireless sensor networks", *IEEE Transaction on Wireless Sensor Systems*, (Volume: 1, Issue: 3), September 2011
- [15] Suat Ozdemir, Hasan and Çam, "Integration of False Data Detection with Data Aggregation and Confidential Transmission in Wireless Sensor Networks", *IEEE/ACM Transactions on Networking*, Vol. 18, No. 3, June 2010
- [16] Hongxing Li, Chuan Wua, Qiang-Sheng Hua and Francis, "Latency-minimizing data aggregation in wireless sensor networks under physical interference model", *Journal of Elsevier, AdHoc networks*, 2014
- [17] Sabrina Sicari, Luigi Alfredo Grieco, Gennaro Boggia, "Dynamic Data Aggregation Scheme for Privacy Aware Wireless Sensor Networks", *Journal of Elsevier*, 2012
- [18] Xiao Hua Xu, Xiang-Yang Li, Peng-Jun Wan, and Shao Jie Tang, "Efficient Scheduling for Periodic Aggregation Queries in Multihop Sensor Networks", *IEEE/ACM Transactions on Networking*
- [19] Koushik Sinha, Bhabani Sinha and Debasish Datta, "An Energy-Efficient Communication Scheme for Wireless Networks: A Redundant Radix-Based Approach", *IEEE Transactions on Wireless Communications*, Vol. 10, No. 2, February 2011
- [20] Gao, Xiang, Vanq, Yintang, Zhou, Duan, "Coverage of communication-based sensor nodes deployed location and energy efficient clustering algorithm in wireless sensor network", *Journal of Systems Engineering and Electronics*, Vol. 21, No.4, Aug. 2010
- [21] Wei-ChiehKe, Bing-Hong Liu and Ming-Jer Tsai, "Efficient Algorithm for Constructing Minimum Size Wireless Sensor Networks to Fully Cover Critical Square Grids", *IEEE Transactions on Wireless Communications*, Vol. 10, No. 4, April 2011
- [22] Hanzalek, Jurčik, "Energy Efficient Scheduling for Cluster-Tree Wireless Sensor Networks With Time-Bounded Data Flows: Application to IEEE 802.15.4/ZigBee", *IEEE Transactions on Industrial Informatics*, Vol. 6, No. 3, Aug. 2010
- [23] Haibo Zhang, Hong Shen, "Balancing Energy consumption to Maximize network lifetime in data gathering sensor networks", *IEEE transactions on parallel and distributed systems*, Vol. 20, No. 10, Oct 2009
- [24] Gholam Hossein Ekbatanifard, Reza Monsefi, Mohammad, Yaghmaee, Seyed Amin Hosseini, "Queen-MAC: A quorum-based energy-efficient medium access control protocol for wireless sensor networks," *Computer Networks*, Elsevier Journal, 2012
- [25] Abdel Salam, Olariu, "Toward Adaptive Sleep Schedules for on balancing energy consumption in Wireless Sensor Network", *IEEE Transactions on Computers*, Vol. 61, No. 10, Oct. 2012