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- [1] A. Das and D. Dutta, "Data acquisition in multiple-sink sensor networks," SIGMOBILE Mob. Comput. Commun. Review 9, no. 3, pp. 82-85, Jul. 2005.
- [2] A. Del Coso, U. Spagnolini, and C. Ibars, "Cooperative distributed MIMO channels in wireless sensor networks," IEEE Journal on Selected Areas in Communications, vol. 25, no. 2, pp. 402-414, Feb. 2007.
- [3] A. R. Al-Ali, I. Zualkerman, and F. Aloul, "A mobile GPRS-sensors array for air pollution monitoring," Sensors Journal, IEEE, vol. 10, no. 10, pp. 1666-1671, Aug. 2010.
- [4] A. T. Campbell, S. B. Eisenman, N. D. Lane, E. Miluzzo, R. A. Peterson, X. Zheng, M. Musolesi, K. Fodor, and G. Ahn, "The rise of people-centric sensing," Internet Computing, IEEE vol. 12, no. 4, pp. 12-21, Jul. 2008.
- [5] B. Hull, B. Vladimir, Y. Zhang, K. Chen, M. Goraczko, A. Miu, E. Shih, H. Balakrishnan, and S. Madden, "CarTel: a distributed mobile sensor computing system," In Proceedings of the 4th international conference on Embedded network sensor systems, pp. 125-138, ACM, 2006.
- [6] C. Curino, M. Giani, M. Giorgetta, A. Giusti, A.L. Murphy, and G.P. Picco, "TinyLime: Bridging Mobile and Sensor Networks through Middleware," In Proceedings of the 3rd IEEE International Conference on Pervasive Computing and Communications (PerCom), Kauai Island, Hawaii, USA, March, IEEE Computer Society, pp. 61-72, Mar. 2005.
- [7] D. A. Jadhav, S. A. Patane, S. S. Nandarge, V. V. Shimage, and A. A. Vanjari, "Air Pollution Monitoring System Using ZigBee and GPS Module", International Journal of Emerging Technologies and Advanced Engineering, vol. 3, no. 9, pp. 533-536, Sept. 2013.
- [8] D. Hasenfratz, O. Saukh, S. Sturzenegger, and L. Thiele, "Participatory Air Pollution Monitoring Using Smartphones," In the 2nd International Workshop on Mobile Sensing, Apr. 2012.
- [9] G. Barrenetxea, F. Ingelrest, G. Schaefer, and M. Vetterli, "SensorScope: Out-of-the-Box Environmental Monitoring," In International Conference on Information Processing in Sensor Networks (IPSN), St. Louis, MO, pp. 332-343, Apr. 2008.
- [10] G. Hassard , M. Ghanem , Y. Guo , J. Hassard , M. Osmond , and M. Richards, "Sensor Grids For Air Pollution Monitoring", In Proceedings of 3rd UK e-Science All Hands Meeting, 2004.
- [11] G. Manes, G. Collodi, R. Fusco, L. Gelpi, and A. Manes, "A Wireless Sensor Network for Precise Volatile Organic Compound Monitoring," International Journal of Distributed Sensor Networks, vol. 2012, 13 pages, Feb. 2012.
- [12] J-W. Lee and J. Lee, "Ant-colony-based scheduling algorithm for energy-efficient coverage of WSN," Sensors Journal, IEEE, vol. 12, no. 10, pp. 3036-3046, Aug. 2012.

- [13] K. Abdullah, E. Yaacoub, M. Mushtaha, and A. Abu-Dayya, "Wireless Sensor Network for Real-Time Air Pollution Monitoring," In 2013 1st International Conference on Communications, Signal Processing, and their Applications (ICCSPA), IEEE, New York, pp. 1-5, Feb. 2013.
- [14] K. K. Khedo, R. Perseedoss, and A. Mungur, "A Wireless Sensor Network Air Pollution Monitoring System," International Journal of Wireless & Mobile Networks (IJWMN), vol. 2, no. 2, pp. 31-45, May 2010.
- [15] M. Razzaque, M. Ahmed, C. Hong, and S. Lee, "QoS-aware distributed adaptive cooperative routing in wireless sensor networks," Ad Hoc Networks 19, pp. 28-42, Aug. 2014.
- [16] O. A. Postolache, M. Pereira, and P. Girão, "Smart Sensors Network for Air Quality Monitoring Applications," In IEEE Transactions on Instrumentation and Measurement, vol. 58, no. 9, pp. 3253-3262, Sept. 2009.
- [17] P. Kanaroglou, M. Jerrett, J. Morrison, B. Beckerman, M. A. Arain, N. L. Gilbert, and J. R. Brook, "Establishing an air pollution monitoring network for intra-urban population exposure assessment: A location-allocation approach", Atmospheric Environment, vol. 39, no. 13, pp. 2399-2409, Apr. 2005.
- [18] R. A. Potyrailo, N. Nagraj, C. Suman, H. Boudries, H. Lai, J. M. Slocik, N. Kelley-Loughnane, and R. R. Naik, "Wireless sensors and sensor networks for homeland security applications," TrAC Trends in Analytical Chemistry, vol. 40, pp. 133-145, Nov. 2012.
- [19] S. Devarakonda, P. Sevusu, H. Liu, R. Liu, L. Iftode, and B. Nath, "Real-time Air Quality Monitoring Through Mobile Sensing in Metropolitan Areas," In Proceeding of the 2nd ACM SIGKDD International Workshop on Urban Computing, pp. 15, ACM press, 2013.
- [20] T. Rault, A. Bouabdallah, and Y. Challal, "Energy efficiency in wireless sensor networks: a top-down survey," Computer Networks, vol. 67, pp. 104-122, Jul. 2014.
- [21] V. Kumar, S. Jain, and S. Tiwari, "Energy efficient clustering algorithms in wireless sensor networks: A survey." IJCSI International Journal of Computer Science Issues, vol. 8.5, no. 5, pp. 259-268, Sept. 2011.
- [22] W. Tsujita, A. Yoshino, H. Ishida, and T. Moriizumi, "Gas sensor network for air-pollution monitoring", *Sensors and Actuators B: Chemical*, vol. 110, no. 2, pp. 304-311, Oct. 2005.
- [23] W. Tsujita, H. Ishida, and T. Moriizumi, "Dynamic Gas Sensor Network for Air Pollution Monitoring and Its Auto-Calibration," In Proceedings of the IEEE Sensors 2004, Vienna, Austria, pp. 56-59, Oct. 2004.
- [24] Y. Ma, M. Richards, M. Ghanem, Y. Guo, and J. Hassard, "Air Pollution Monitoring and Mining Based on Sensor Grid in London", *Sensors*, vol. 8, no. 6, pp. 3601-3623, Jun. 2008.
- [25] Y. J. Jung, Y. K. Lee, D. G. Lee, K. H. Ryu, and S. Hittel, "Air Pollution Monitoring System Based On Geosensor Network", In IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Boston, MA, pp. 1370-1373, Jul. 2008.