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Abdullah Bamatraf, MOHAMMAD SHAFIE BIN ABD LATIFF, YAHAYA COULIBALY, AHMAD M KHASAWNEH

Rapid innovative improvements in wireless communication technology have revolutionized wireless sensor networks (WSNs). A WSN is comprised of self-ruling sensors that are distributed spatially to monitor physical or environmental conditions, such as temperature, sound, vibration, pressure, motion, or pollutants, and to pass this information through the network to a main area. Sensor nodes in wireless sensor networks experience the ill effects of resource constraints, such as energy deficits, buffers, and bandwidth issues. The expanding demand for real-time services in WSN applications means that interest in quality of service (QoS)-based routing has risen. Offering consistent QoS in sensor networks creates considerable challenges. In real time applications, it is important to deliver data as soon as it is sensed. If the network has multiple real and non-real-time applications, its ability to manage them will be …

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