Abstract

Wireless sensor networks in current research trends mostly focuses on energy, storage and types of data due to random nature of field deployment of sensor nodes and broad area of applications such as monitoring different kind of systems, medical patient monitoring, many others areas where data will occur static, dynamic or in any form. With the applications areas, the interest of sensor networks with balanced energy, reduced link traffic and handling of different types of data with the storage efficient wireless sensor network is required. Form this Hybrid energy node layered data aggregation technique in wireless sensor networks is proposed for unequal distant region according to communication distance region with the unequal distributed energy among the sensor nodes in the field that minimizes number of dead nodes with average energy of the nodes and maximizes number of packets transferred to the sink.

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Index Terms

Computer Science

Wireless

Keywords

WSN, Hybrid, Layered, energy Data aggregation, region-based.