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Enhanced DRINA algorithm for energy and delay constraint application of WSN

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Abstract: In wireless sensor network, large scale dense network will be increasingly deployed in various classes of application for monitoring. Due to nodes high density in networks, energy consumption is high, data fusion and aggregation should be the solution to reduce the energy conservation. A novel data routing for in-network aggregation called DRINA with is proposed that some key aspects such as a reduced number of messages for sitting up a routing tree, maximized number of overlapping routes, high aggregation rate and reliable data aggregation and transmission with trust value allocation to the nodes and it solves the issue of access control, privacy, secure, routing schema and reliable communication.