

Enhanced the Stability and Network Life Time of Heterogeneous WSN Protocols

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Abstract: In this research work we simulate all four protocols in MATLAB software DEEC, Developed-DEEC, Enhanced-DEEC, and I-BEENISH Protocol. we implement improved advanced fuzzy logic concept in I-BEENISH Protocol we compare the living nodes during rounds, nodes died during rounds, packets sent to the base station and the size of CH of in all four protocols we compare the result simulations in result shows that I-BEENISH is more efficient compared to DEEC, Developed-DEEC and Enhanced-DEEC in conditions of network life-time and stability.

Keywords: Sensor Nodes, Cluster, DEEC, DDEEC, EDEEC, I-BEENISH, FIS (fuzzy interface system), CH (cluster head)

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