عنوان مقاله:

Routing in Wireless Sensor Networks and Optimizing Energy Consumption by ACO Algorithm

محل انتشار:

کنفرانس ملی فن آوری، انرژی و داده با رویکرد مهندسی برق و کامپیوتر (سال: 1394)

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خلاصه مقاله:

Applying saving energy algorithms in design sensor networks with long life time is an important issue. Wireless sensor networks have been created based on harmony in a lot of sensor nodes. To reduce energy consumption in nodes, one can use unequal clustering mechanism. To face clustering overflow in this paper we use Ants Colony Optimization(ACO) method to create multi-jump Energy-efficiency paths. The simulation results show that the offered protocol is much more efficient than two other protocols in saving energy and it also increases the longevity of network.

کلمات کلیدی:

wireless sensor network; reduction of energy consumption; increase lifetime; ants optimization algorithm; clustering, multi-jumping routing

لینک ثابت مقاله در پایگاه سیویلیکا:

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