

# بخشی از ترجمه مقاله

## عنوان فارسى مقاله:

بهینه سازی انتخاب hop گزینشی انرژی-کارامد برای به حداکثر رساندن طول عمر شبکه سنسور وایرلس

### عنوان انگلیسی مقاله:

Energy efficient selective hop selection optimization to maximize lifetime of wireless sensor network

## توجه!



این فایل تنها قسمتی از ترجمه میباشد. برای تهیه مقاله ترجمه شده کامل با فرمت ورد (قابل ویرایش) همراه با نسخه انگلیسی مقاله، اینجا کلیک نمایید.

# بخشى از ترجمه مقاله

#### 5. Conclusion نتیجه گیری

Maximizing the network lifetime and minimizing energy consumption, energy per bit is most desired. Cooperative based transmission is adopted by various researchers shows energy efficiency improvement. Cooperative based communication minimized energy consumption per bit but could not guarantee lifetime enhancement since they adopted a centralized optimization strategy and due to application dynamics. To overcome these limitations, here we presented a dynamic MAC and transceiver optimization technique for selective hop selection that minimizes energy consumption per bit and maximize the network lifetime. Simulation is conducted to evaluate lifetime efficiency considering first node death, loss of connectivity and total node death, communication overhead and node decay rate to analyze the efficiency. An average lifetime improvement of 84.88%, 83.39% and 86.23% is achieved for proposed model over existing model considering total node death, loss of connectivity and first node death respectively. An average communication overhead reduction of 32.03% is achieved by proposed model over existing model considering total node death. An average node decay rate reduction of 82.01% is achieved by proposed model over existing model. The overall outcome shows the proposed model is scalable irrespective of application. In future work, the proposed model would consider cross layer designing to improve routing efficiency and also considers evaluating the performance of heterogeneous architecture.





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برای جستجوی جدیدترین مقالات ترجمه شده، اینجا کلیک نایید.