

# Accepted Manuscript

Multi Objective Clustering for Wireless Sensor Networks

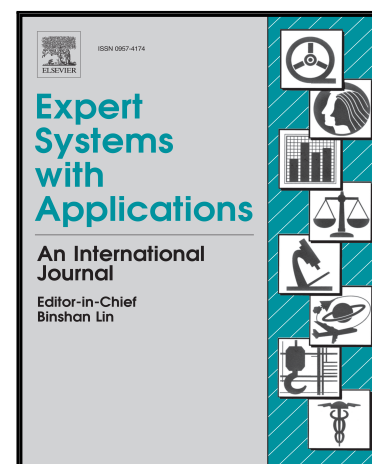
Gokce Hacıoglu , Vahid Faryad Aghjeh Kand , Erhan Sesli

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**Highlights**

- A multi-objective clustering is made by using NSGA-II for WSN
- Seven NSGA-II cost functions defined to handle alternatives as much as possible
- Sink selects a network topology from solution set according to some preferences
- Performance of the proposed system is compared to LEACH
- Proposed system can have 5 times longer lifetime and transfer 2 times more packets

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