

**International Journal on Applications of Graph Theory in Wireless  
Ad hoc Networks and Sensor Networks (GRAPH-HOC)**

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## SCOPE OF THE JOURNAL

GRAPH-HOC is a quarterly open access peer-reviewed journal focuses on the applications of graph theory in different areas of wireless ad hoc networks such as Mobile Ad hoc Networks (MANETs), Vehicular Ad hoc Networks (VANETs) and sensor networks. Graph theoretic concepts are applied in several fundamental issues such as connectivity, data gathering, routing, mobility, energy efficiency and topology control. Papers submitted for the Journal should focus on a problem that is of both theoretical as well as practical interest in the area of ad hoc networks and sensor networks. This journal will thus provide a platform for researchers from both theoretical and practical domains of ad hoc networks to meet and exchange their ideas.

### Topics of interest include, but are not limited to, the following

- Distributed extensions of centralized graph theoretic routing algorithms
- Connectivity analysis under different mobility models
- Data gathering algorithms and protocols for sensor networks
- Applications of Random Graph theory in ad hoc networks and sensor networks
- Algorithms for scheduling and resource allocation problems
- Algorithms for topology control and power assignment
- Evacuation routing algorithms and protocols for vehicular ad hoc networks
- Secure routing algorithms and protocols based on graph theory
- Approximation heuristics for NP-complete problems related to ad hoc networks

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## Paper Submission

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## Review Process

Submissions are accepted for review with the understanding that the same work has been neither submitted to, nor published in, another publication. Simultaneous submission to other publications will result in immediate rejection of the paper. Papers are not within the journal scope will be rejected immediately after the pre review process.

All manuscripts will be subject to a well established, fair, unbiased peer review and refereeing procedure, and are considered on the basis of their significance, novelty and usefulness to the Journals readership. The reviewing structure will always ensure the anonymity of the referees & it will be reviewed by 3 experts in the field. The review output will be one of the following decisions:

1. Accept
2. Accept with minor changes
3. weak Accept with major changes
4. Reject

The review process may take approximately two ~three months to be completed. The Editor reserves the right to reject a paper if it does not meet the aims and scope of the journal, it is not revised well.

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