



Chapter

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Self-organization Strategies for Hierarchical Network Structure in Wireless Ad Hoc Networks: A Short Survey

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- , Suhas H. Patil

Abstract

Wireless Ad Hoc networks are popular for critical applications due to characteristics such as simplicity, low cost, and no central administration. These networks are infrastructure less and not comparable with traditional networks with infrastructure. Infrastructure networks are configured, managed, and administrated centrally. As no centralized administration is present, self-organization is used in wireless networks to create virtual topologies and communication among nodes of network. In this paper, we present a survey of strategies used by different researchers for achieving self-organization in wireless Ad Hoc networks and make the network robust, secure, and energy efficient.

Keywords

Self-organization Hierarchical network structure Backbone

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