

عنوان مقاله:

Security Vulnerabilities in Ad hoc Networks

محل انتشار:

همایش ملی الکترونیک‌های دستاوردهای نوین در علوم مهندسی و پایه (سال: 1393)

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خلاصه مقاله:

Wireless ad hoc networks have been proposed to offer and support dynamic scenarios where no wired-network existed. Ad hoc environments introduce two main problems not commonly faced by traditional stable network routing protocols. These are the lack of constant infrastructure support and the frequent changes to network topology. At the physical level, wireless channels offer poor protection to protocol packets and are susceptible to signal interference, jamming, eavesdropping, and distortion. There are several methods to prevent attacks to ad-hoc networks, for instance encryption methods like implementing Public/Private key algorithms for communication among wireless nodes and utilizing VPN and IPSec methods on the base of PKI concepts

کلمات کلیدی:

(Ad-hoc Network, Routing Protocols, Cryptography, Digital Certificate)

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