

## Security Threats on Wireless Sensor Network Protocols

**Authors :** H. Gorine, M. Ramadan Elmezughi

**Abstract :** In this paper, we investigate security issues and challenges facing researchers in wireless sensor networks and countermeasures to resolve them. The broadcast nature of wireless communication makes Wireless Sensor Networks prone to various attacks. Due to resources limitation constraint in terms of limited energy, computation power and memory, security in wireless sensor networks creates different challenges than wired network security. We will discuss several attempts at addressing the issues of security in wireless sensor networks in an attempt to encourage more research into this area.

**Keywords :** wireless sensor networks, network security, light weight encryption, threats

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