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RESEARCH ARTICLE

Location Privacy and Node Compromise Attack in Wireless Sensor Networks under Global Eavesdropper

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Abstract— **In a wireless sensor networks, most important problem is to provide privacy in location. Due to compromise attack, the compromised node can leak out the event location Existing techniques assumes the global eavesdropper but does not include the compromised nodes. The global eavesdropper may be able to compromise a group of nodes or individual nodes in the network and perform traffic analysis with additional knowledge from insiders. The main objective is we need to reduce the communication overhead between the nodes. The paper then proposes the scheme to give intimate to other nodes about compromised node. Through some analysis and simulation result, we demonstrate that the proposed scheme is efficient and effective for location privacy in both source and sink in wireless sensor networks.**

Keywords— *Compromise attack; Global Eavesdropper; Location Privacy; Sensor networks*

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