Analysis of Localization of Network Security Equipment

Wireless sensor network (WSN) contains spatially distributed independent sensor nodes to cooperatively monitor physical or environmental conditions. There are s

The goal of this study is to carry out an in-depth examination of localization techniques for IoT, with an emphasis on both the signal-processing ...

This method provides a close approximation of the unknown node position with low localization error. The simulation findings show that the proposed system is effective for the detection ...

This demonstrates that network planning and simulation of WSNs using a secure localization technique effectively detect malicious nodes by computing the position and location of all ...

In this paper we look at the problem of assessing security of node localization. In particular, we analyze the scenario in which Veri able Multilateration (VM) is used to localize nodes and a malicious node ...

This paper offers a thorough analysis of localization strategies used in WSNs, while emphasizing on how crucial and precise the node placement is with respect to effective network ...

This section describes enabling technologies for network localization and navigation including network infrastructure, common signal metrics, and error mitigation techniques.

Building on these insights, we propose JTD schemes to exploit mutual benefits for target localization and communication in bistatic ISAC networks, where the detected data symbols are ...

The goal of this study is to carry out an in-depth examination of localization techniques for IoT, with an emphasis on both the signal-processing design and security aspects.

We propose several attack detection schemes for wireless localization systems. We first formulate a theoretical foundation for the attack detection problem using statistical significance testing. Next, we ...

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