

Title: Base station communication detector

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Rogue base stations, also known as international mobile subscriber identity (IMSI) catchers, are devices that masquerade as cell phone towers, tricking cell phones within a certain radius into ...

A fake base station is a well-known security issue in mobile networking. The fake base station exploits the vulnerability in the broadcasting message announcing.

Mobile networking in 4G and 5G remains vulnerable against fake base stations. A fake base station can inject and manipulate the radio resource control (RRC) communication ...

To counter this, the Purdue team designed a system that analyzes Layer-3 network communication patterns on the device itself, enabling real-time and region-agnostic protection ...

Recent work: researchers at Purdue CS showed high-quality datasets could be used to detect fake base stations in cellular networks using machine learning algorithms. We ...

In a groundbreaking study from Purdue University, researchers have developed an innovative detection solution known as FBSDetector, designed to identify fake base stations ...

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