

Fake base station communication process





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[This paper has been accepted to appear at USENIX Security '2](#)

security threat by impersonating legitimate base stations (BSes). Though efforts have been made to defeat this threat, up to this day, the presence of FBSes and the multi-step attacks (MSAs) ...

[Gotta Detect 'Em All: Fake Base Station and Multi-Step ...](#)

Fake base stations (FBSes) pose a significant security threat by impersonating legitimate base stations (BSes). Though efforts have been made to defeat this threat, up to this day, the ...



[Fake Base Station Detection and Link Routing Defense](#)

We varied the base station implementation to simulate legitimate vs. faulty but legitimate vs. fake and malicious base stations, where a faulty base station notifies the user of the connectivity ...

[Detection, Analysis, and Interpretation of Fake Base Stations ...](#)

Fake base stations imitate legitimate cellular networks to trick mobile devices into connecting to them. Since devices automatically prefer the

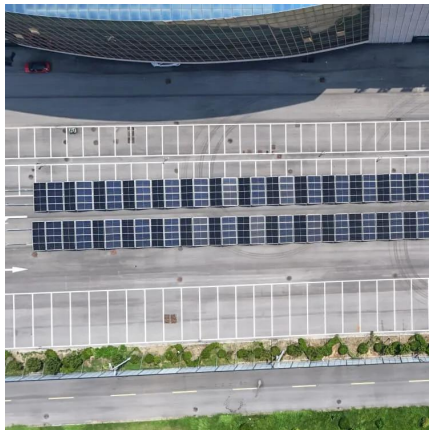


strongest signal, this redirection is ...



[Base Station Certificate and Multi-Factor Authentication for ...](#)

Abstract--Current cellular networking remains vulnerable to malicious fake base stations due to the lack of base station authentication mechanism or even a key to enable authentication. We ...



[Base Station Certificate and Multi-Factor Authentication for ...](#)

We design and build a base station certificate (certifying the base station's public key and location) and a multi-factor authentication (making use of the certificate and the information ...



[Fake Base Stations Detected in Tokyo and Osaka. Expert Warns ...](#)

These fake base stations can disrupt legitimate communications and pose a significant threat to users. According to IT journalist Tomoko Suzuki, "These fake base stations are being used by ...





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