

Susie Wiles Deepfake Is a Wake-Up Call



You can't trust a voice anymore—here are some low-tech espionage techniques you can use to establish identity

The Problem:



Humans can correctly identify a voice as AI generated only about 60% of the time.

Source: [Nature](#)



Deepfake detection tools can't be easily applied to all protocols, such as regular calls on open networks.



Even if they could, the top 16 deep fake detectors cannot reliably identify real-world deepfakes.

Source: [Australia's CSIRO](#)



Countermeasures to Consider



Repurpose Low-Tech Espionage Techniques to Establish Identity

Given this arms race, one option is to supplement spy craft era techniques that can work across multiple modalities, both old and new.

Signs and Countersigns



Use pre-agreed code phrases to verify identity before sensitive conversations.



Keep phrases natural but not obvious—avoid references to current events that might actually happen.

Challenge-Response Verification

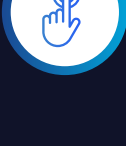


Introduce unexpected personal or context-based challenge questions known only to genuine participants.



Regularly updated, personalized responses make it difficult for adversaries leveraging generic deepfake scripts.

Visual Recognition Signals & Prearranged Behavioral Cues



Use subtle physical signals—hand placements, specific gestures, or background visual cues.

Distinctive Physical Tokens or Objects



Pre-distribute unique physical tokens or items, potentially with distinct placement to indicate specific topics.



The Future:

Human-Centric Verification for Critical Communications



Rethink identity verification strategies to include resilient, low-tech methodologies alongside technical solutions.



About ArmorText

ArmorText, a leading provider of Secure Out of Band Collaboration™ solutions, protects sensitive communications for critical infrastructure entities worldwide. ArmorText has been recognized as a leader in secure communications solutions for SecOps communications, threat intelligence sharing, and out-of-band communications for incident response in The Forrester Wave™: Secure Communications Solutions, Q3 2024, where it outclassed the other vendors based on Forrester's 21-criterion evaluation of secure communications solution providers.



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