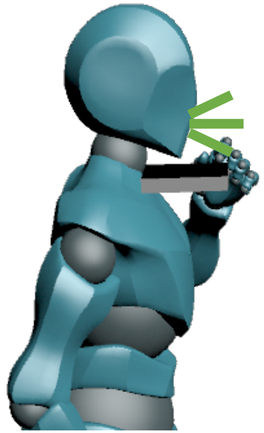
Normal Authentication



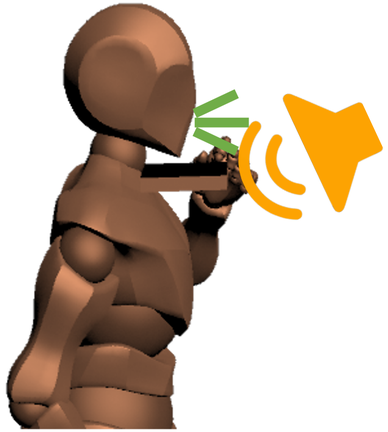
Legitimate User

Attacking Scenarios

Simple Playback Attack

Attacker

Mimicry Attack



Attacker

Sophisticated Mimicry Attack

Pre-recorded

Synthesized

Converted