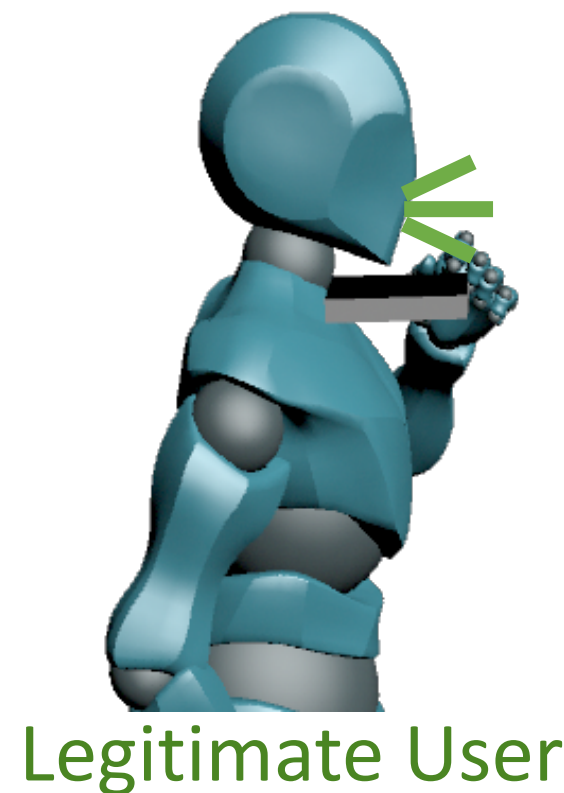


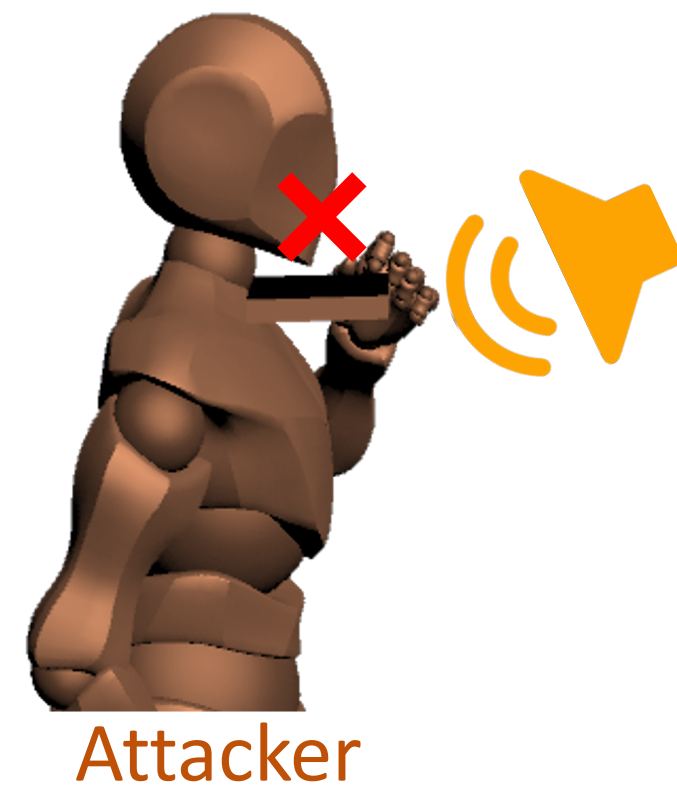
Normal  
Authentication



Attacking  
Scenarios






Simple Playback Attack



Mimicry Attack



Sophisticated Mimicry Attack

-  Pre-recorded
-  Synthesized
-  Converted