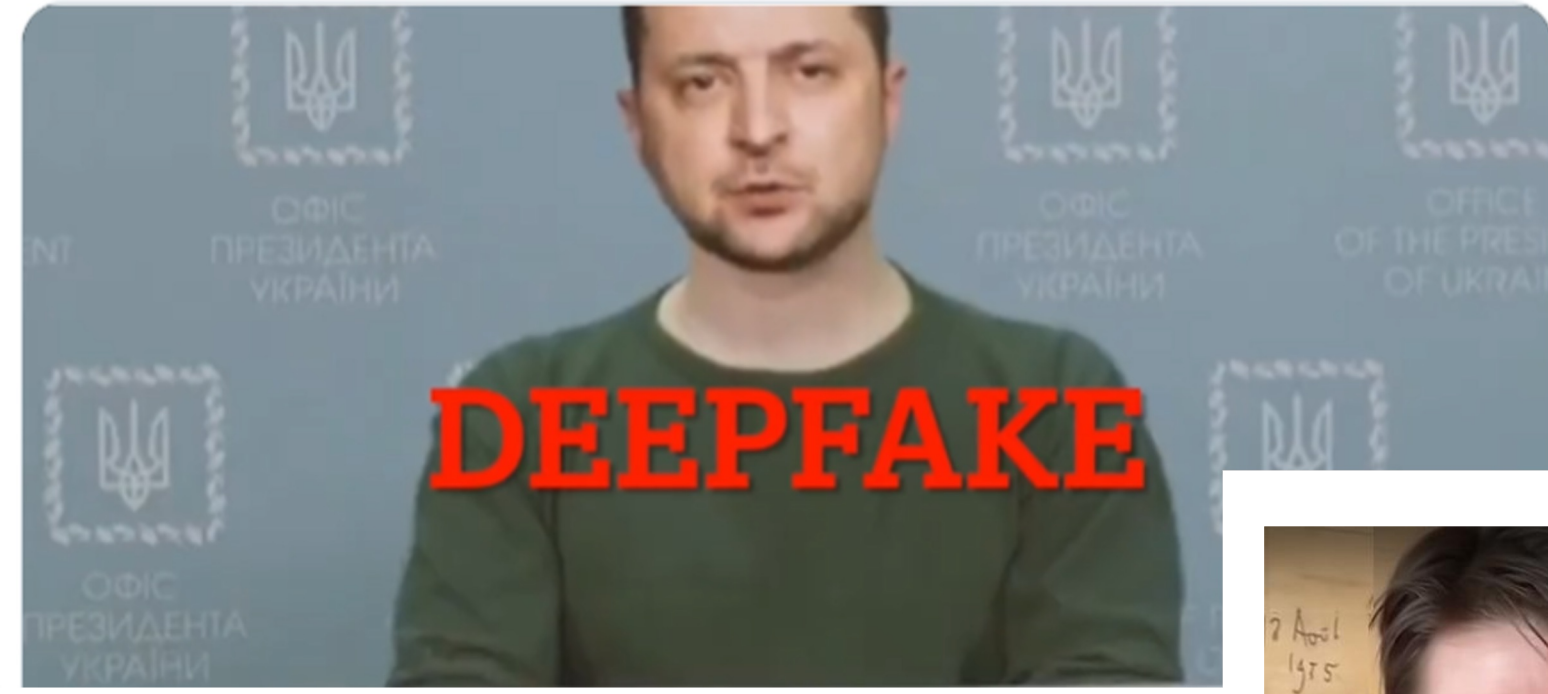


Preventing Fake News through Live Speech Signature

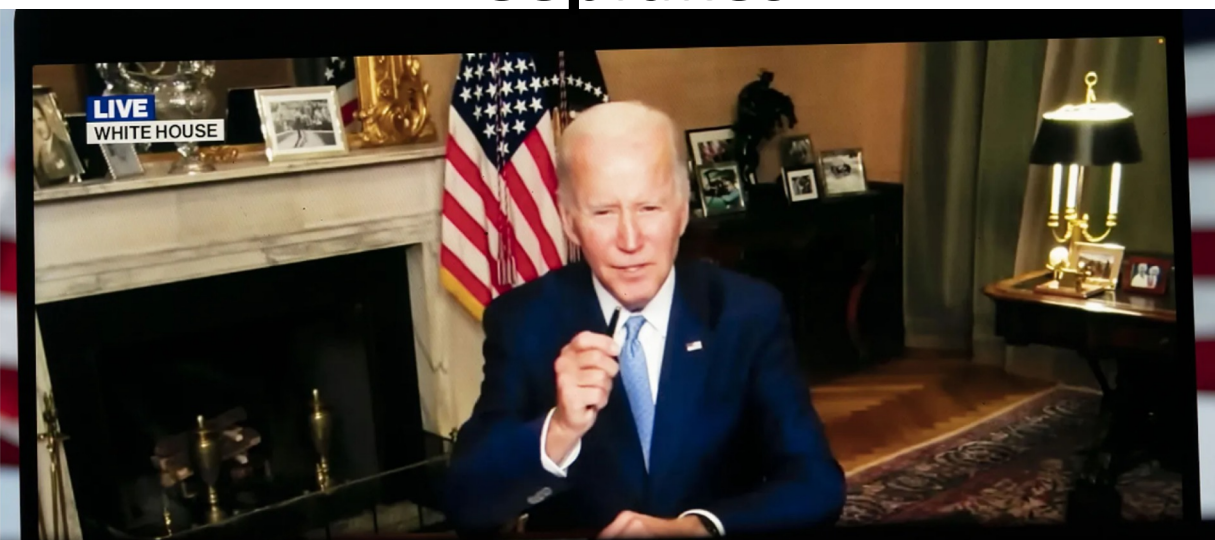
Irtaza Shahid, Nirupam Roy

1. Problem Statement

Deepfake of Ukrainian President Volodymyr calling on his soldiers to lay down weapons



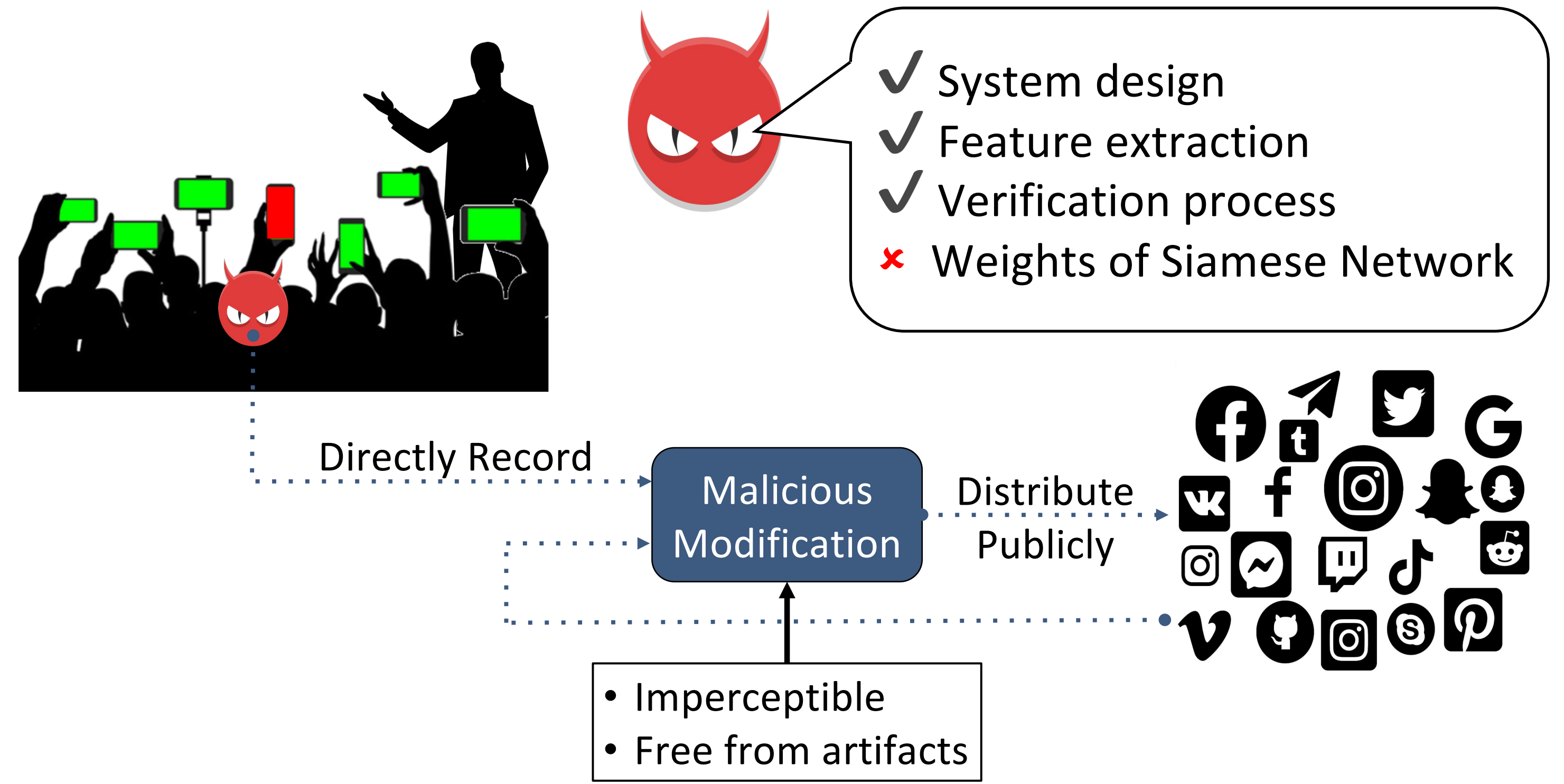
Next Challenge is navigating Deepfakes



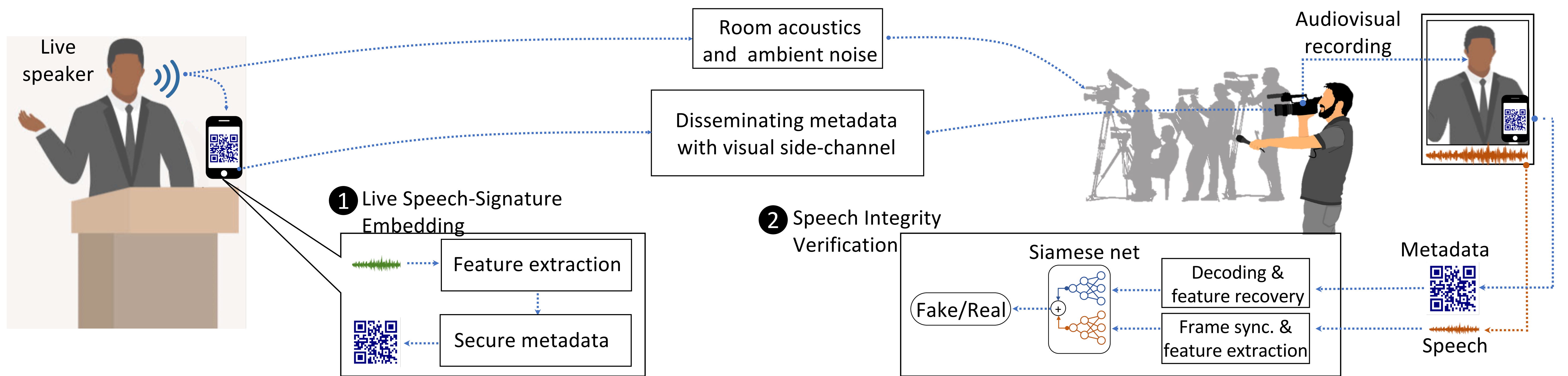
Fake video makes Pelosi slur words



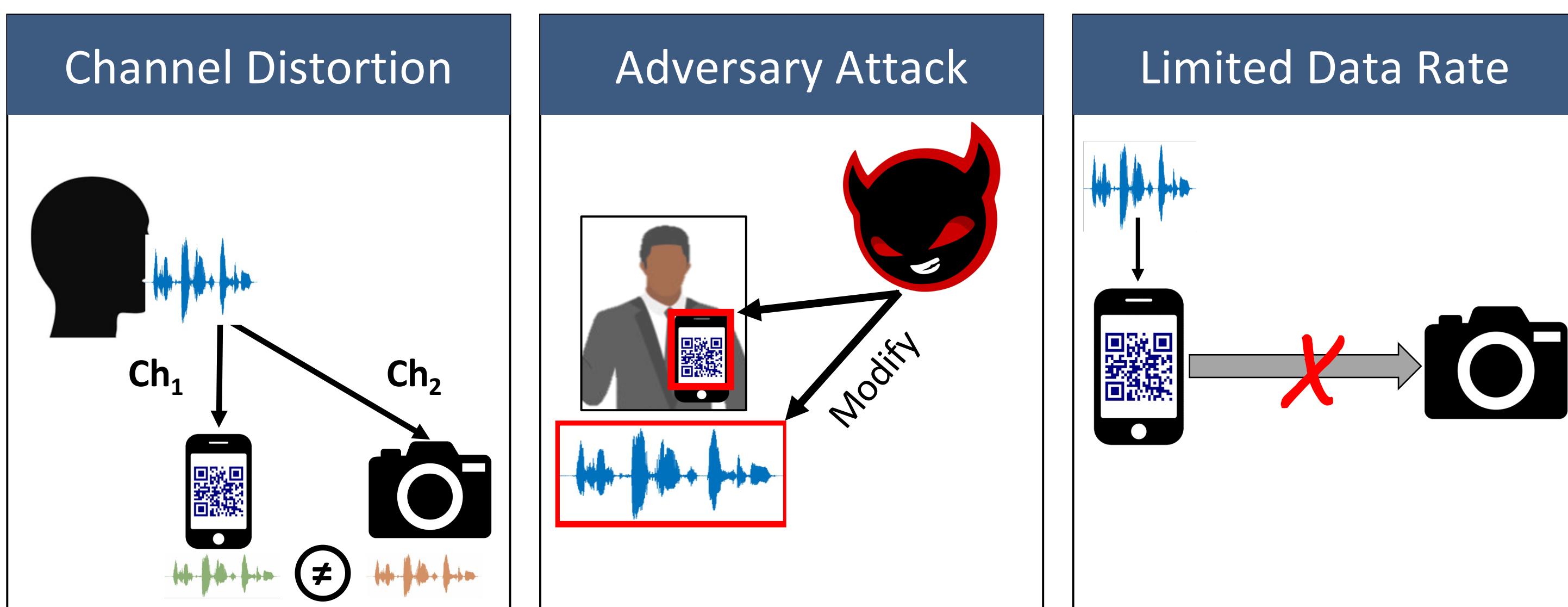
2. Adversary Model



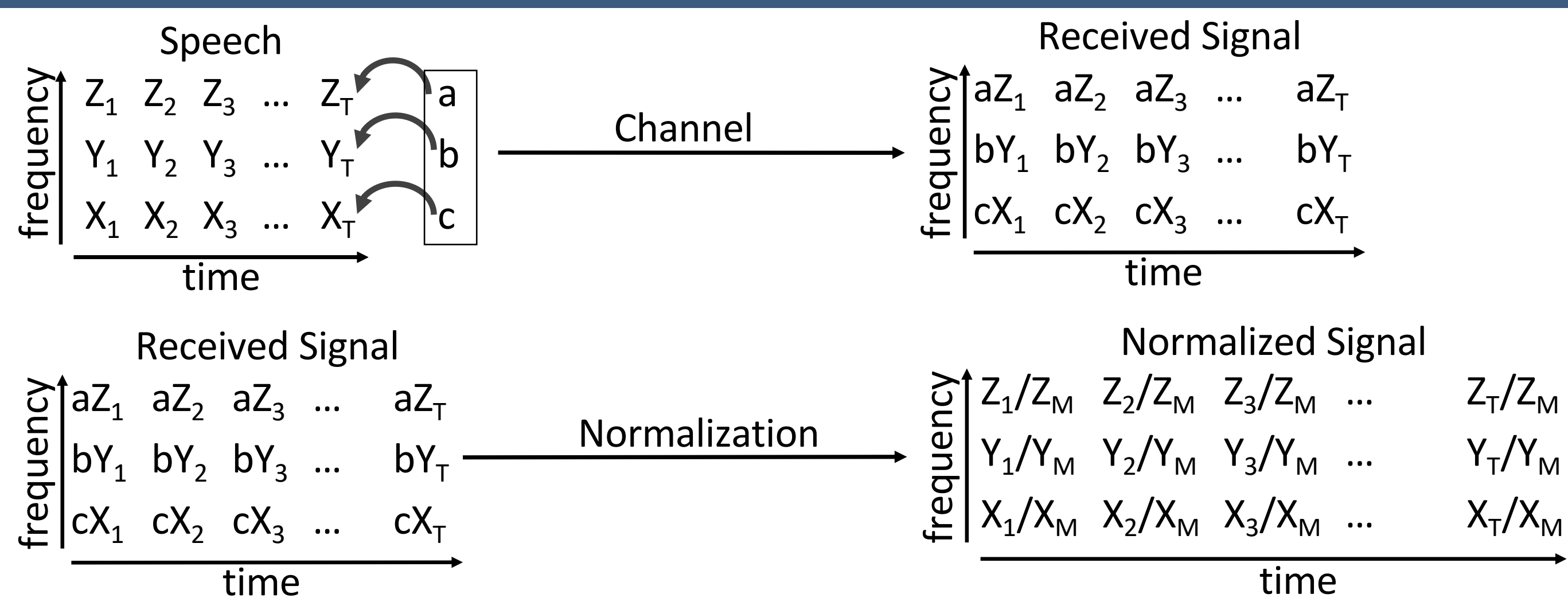
3. System Design



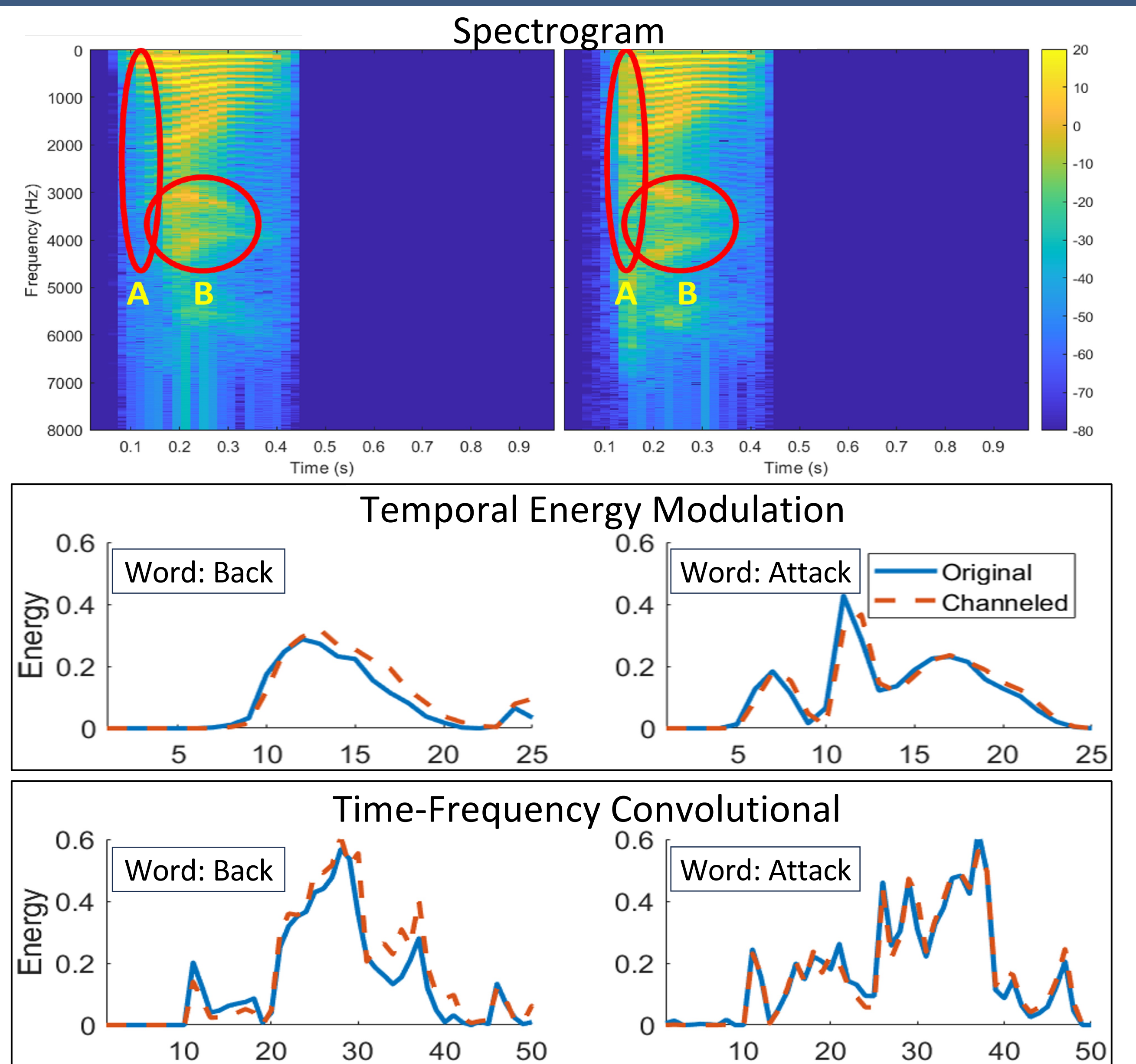
4. Challenges



5. Channel Normalization



6. Feature Extraction



7. Experimental Setup and Evaluations

