

## Motivation

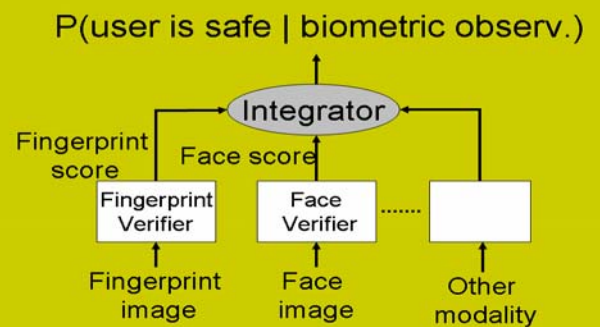
In a high risk environment, we need a system that can verify the identity of the user **continuously**.

## Our Approach

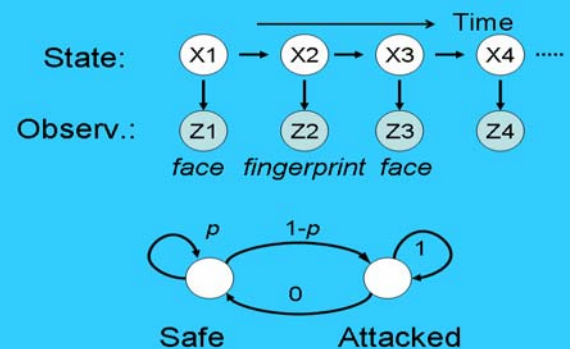
We use passive biometrics (face and fingerprint) to do continuous verification.



## Architecture



## Integration



## Key Features

### 1. Holistic Integration

- A Dynamic Bayesian Network is used to combine biometric observations over time and across modalities.

### 2. Flexible Architecture

- Asynchronous and distributed modality verifiers. Hence easier to plug in additional modalities.

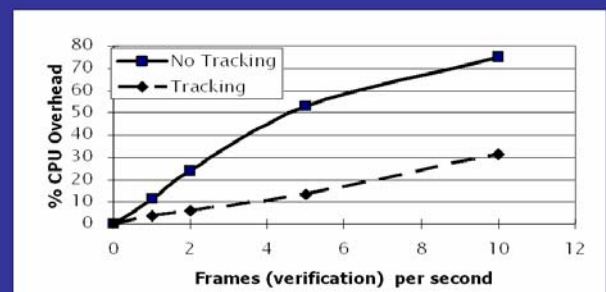
### 3. Low Computational Overhead

- CPU overhead: 5 to 10%.

### 4. Integration with Operating System

- Slow down/stop user processes.

## CPU Overhead



## Experiments

