

For 2<sup>nd</sup> symposium of FIGI, 22-24 January 2019, Cairo, Egypt

# Introduction and Application of IFAA

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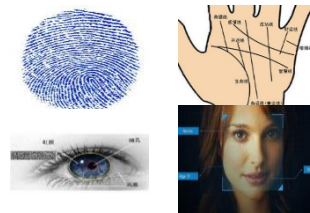
# 1. Challenges of authentication in IoT era



VS

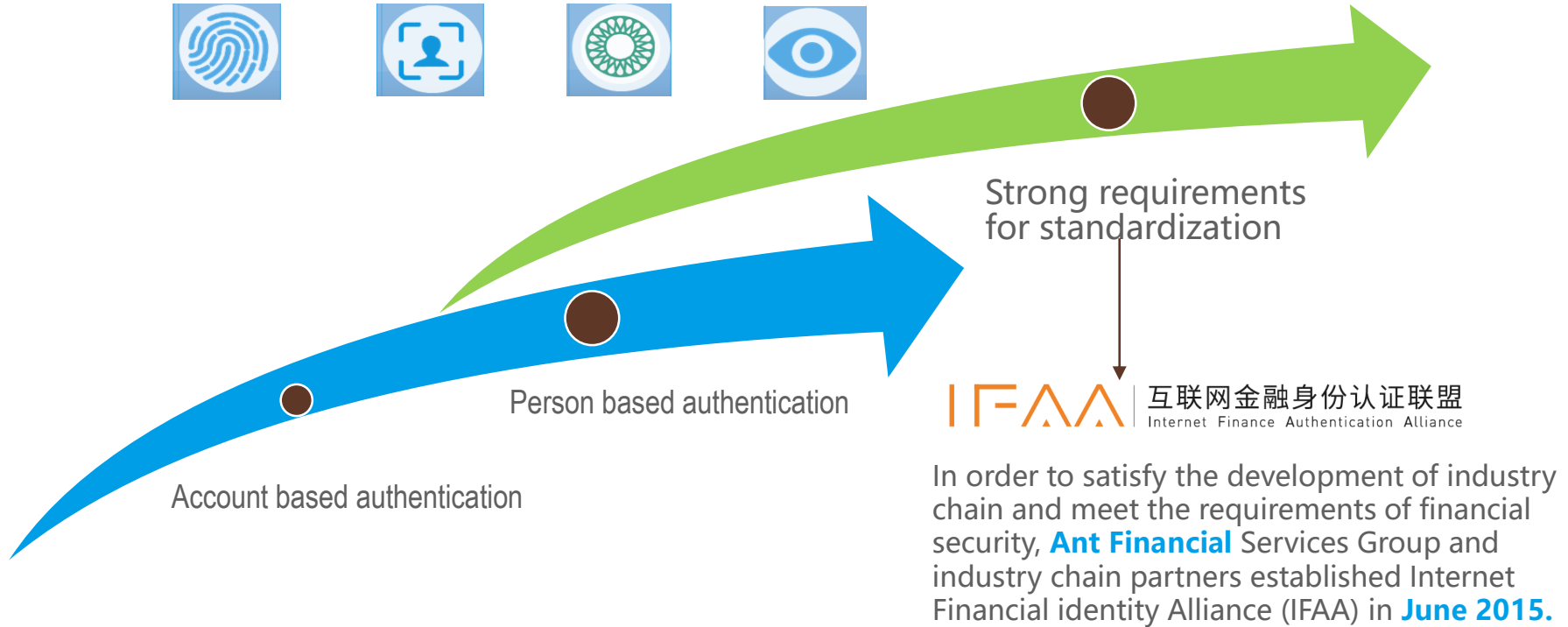


VS



Password-based	Certificate-based	Biometric-based
Account	Certificate	person
What you know	What you have	Who you are
Vulnerable to attacks, high interruption rate	Inconvenient, privacy problem	High security level, low interruption rate

## 2. Establishment of IFAA

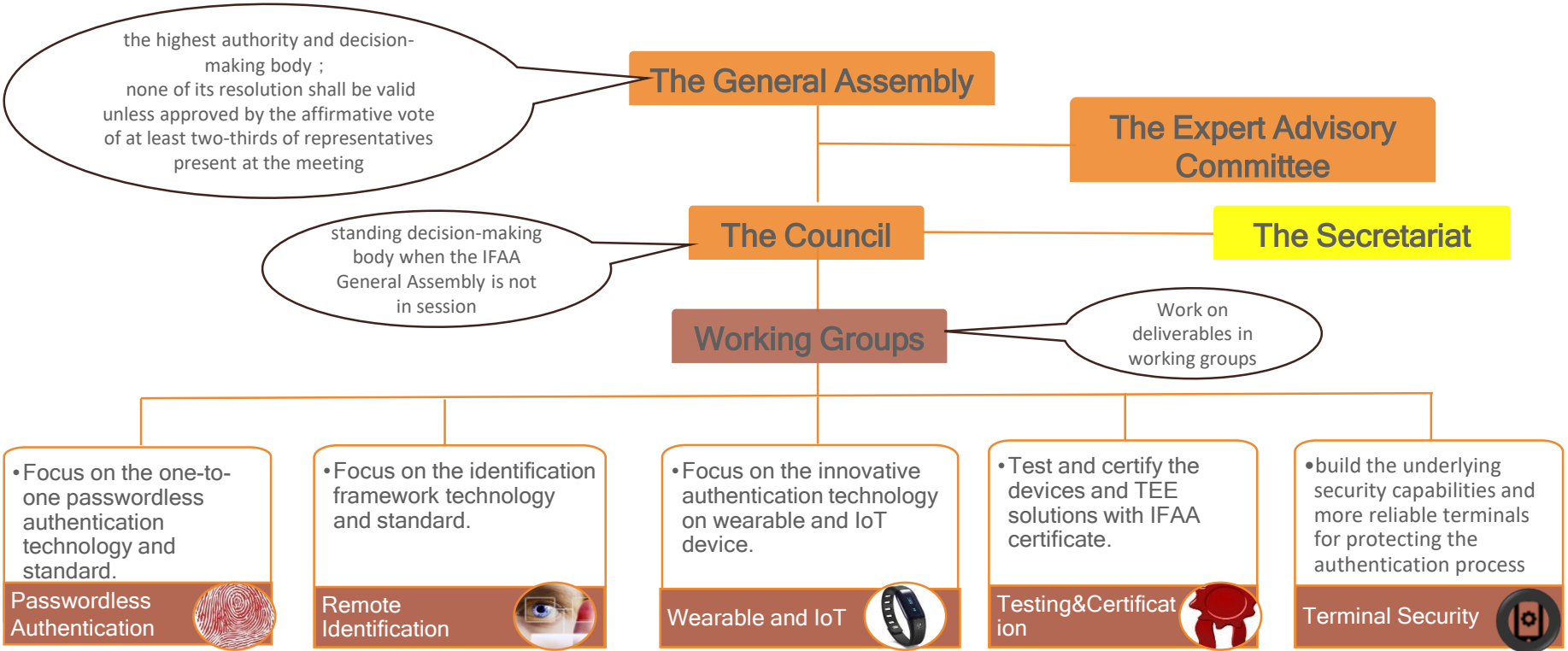


# 3. IFAA Full-Value-Chain Ecosystem

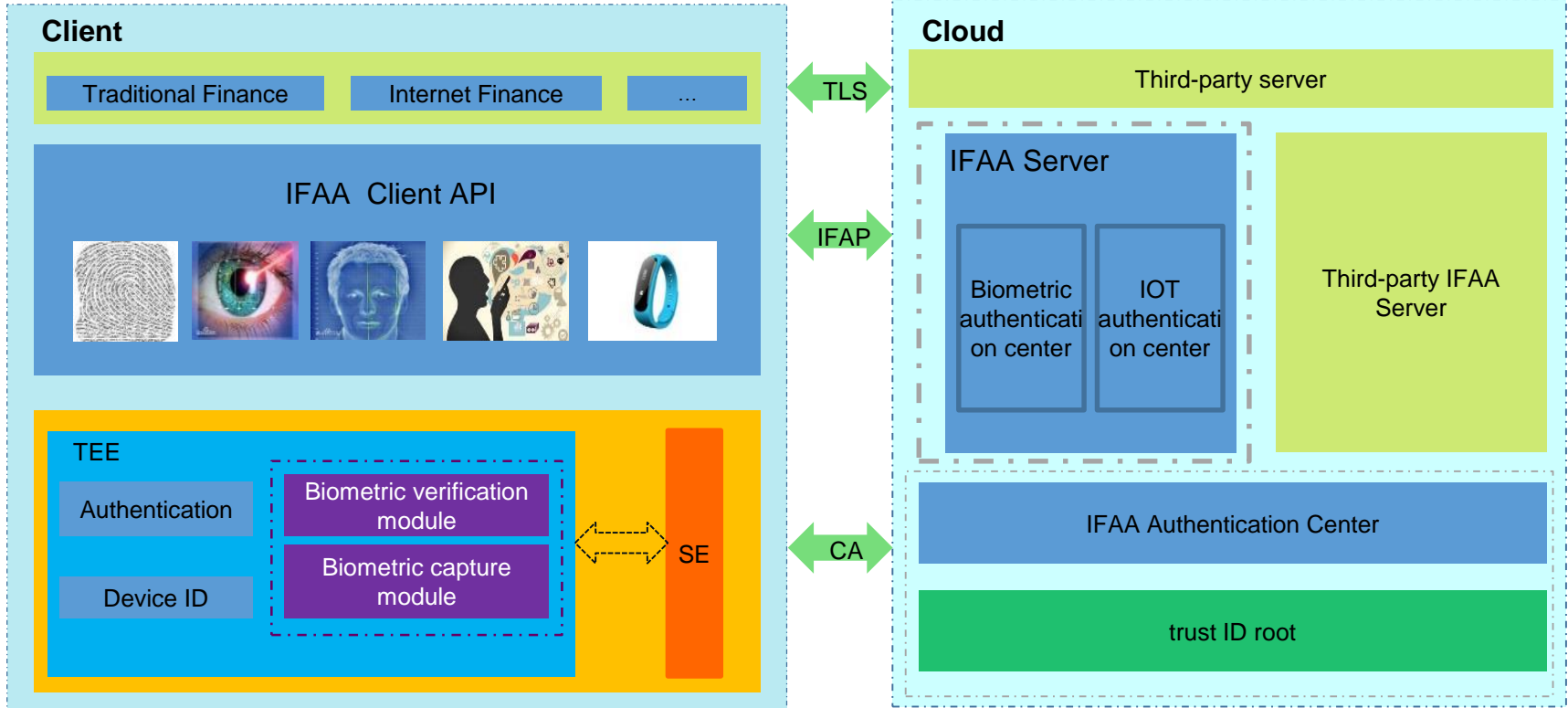
**Global leader member organizations** collaborate to innovate authentication scenarios, develop biometrics-based standards, and deliver financial-grade interoperable authentication solutions .



# 4. IFAA Organizational Structure



# 5. IFAA Technical Overview



# Demonstration of IFAA application



*Please watch video ->*

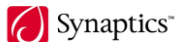
# 6. Current IFAA application scenarios

## Powers Massive Use Cases and Scenarios





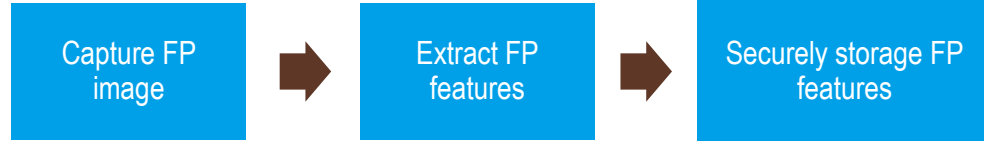
## 7. IFAA Members (200+)



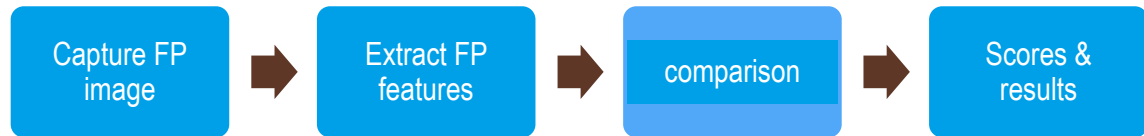
# 8. FP-based payment in Alipay



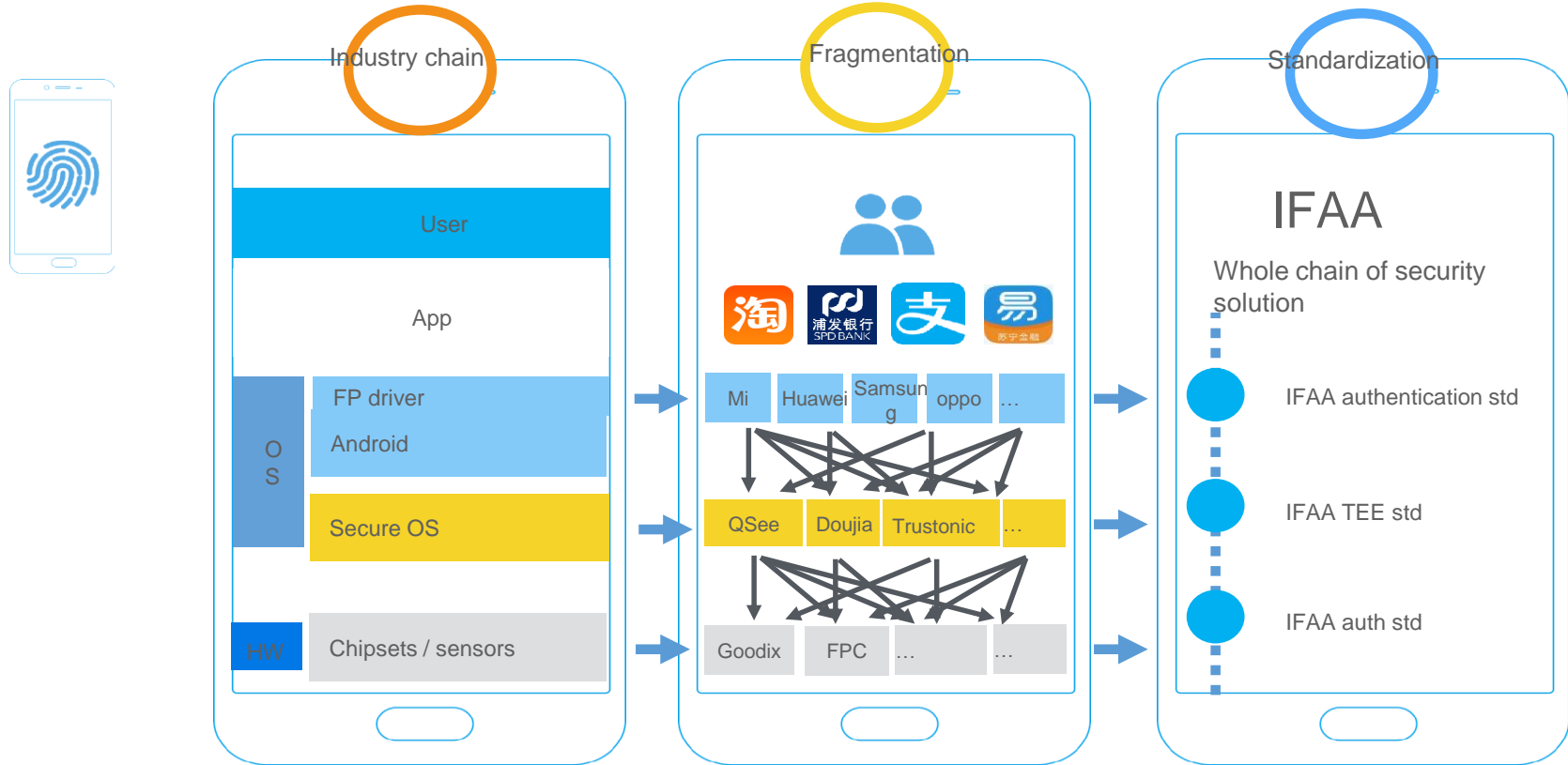
FP Enrolment



FP Verification

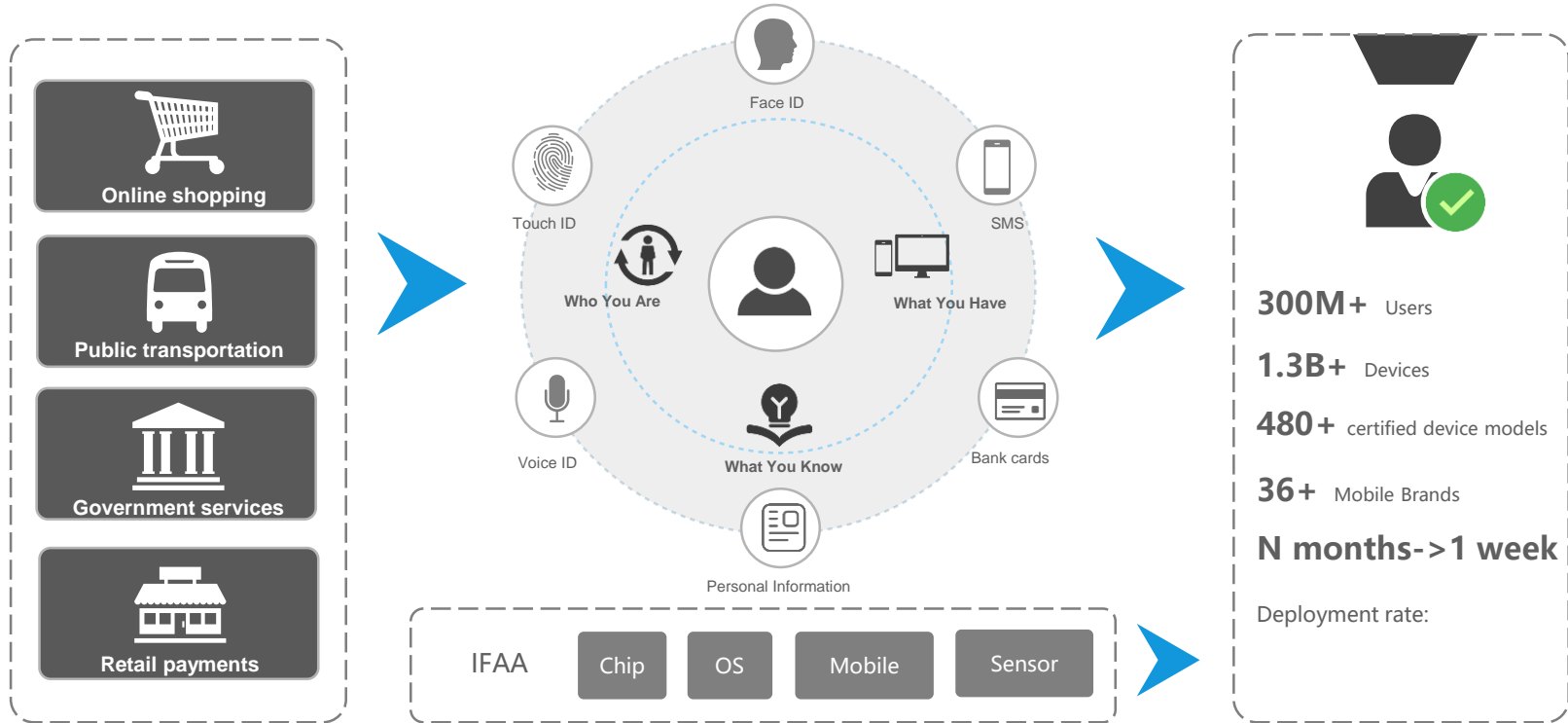


# 8. FP-based payment in Alipay



# 9. IFAA Achievements Today

## Interoperable across leading manufacture's handsets



**300M+** Users  
**1.3B+** Devices  
**480+** certified device models  
**36+** Mobile Brands  
**N months -> 1 week**  
 Deployment rate:

## 10. The future of IFAA

### Current IFAA

- Fingerprint Authentication
- TEE-based Device Security
- Support most of the fingerprint and faceID devices
- Set up sample apps
- Smart phone, watch and Bracelet



### The Future of IFAA

- Multiple Biometric
- TEE、SE、MCU
- Support global devices
- Empower all kinds of apps
- IoT

# Thank You!

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