

# **Implementation Issues Group Discussion**

A Speaker Odyssey:  
The Speaker Recognition Workshop

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# Applications

## Implementation Issues Group Discussion

- ❑ Financial
- ❑ Commercial
- ❑ Voice Portals
- ❑ Physical Access
- ❑ Computer Access
- ❑ Calling Cards
- ❑ Forensics
- ❑ Credit Cards

# User Perspective

## Implementation Issues Group Discussion

- ❑ What is the biggest challenge to deploying speaker verification systems?
- ❑ Dialog Design
  - ID Claim: what do users want to use?
  - Enrollment: how long? single session? what form of security until enrolled?
  - Convenience vs Security
- ❑ Operating points
  - How to understand the costs, priors, FAR vs. FRR of users
  - Backoff strategies (in case of false rejects)
- ❑ Backward Compatibility
- ❑ Integration of Speaker & Speech Recognition
- ❑ Calibration/Tuning
  - What are the major components to tune?
  - How much data? What type of data?

# User Perspective

## Implementation Issues Group Discussion

- ❑ “Liveness” Tests
- ❑ Text-Dependent vs Text-Independent
- ❑ Speaker Identification: Commercial/Government Applications?
- ❑ Storage
  - How small do the speaker models have to be?
  - Maintenance?
- ❑ Updating of Speaker Models
  - When should we retrain
  - Can we update without saving raw audio (from previous sessions)?
- ❑ How accurate is accurate enough?
  - How to measure accuracy in fielded application?
  - Max. FAR and/or Max FRR for different applications?