Implementation Issues Group Discussion

A Speaker Odyssey: The Speaker Recognition Workshop

Chairs: Larry Heck and Renana Peres

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Applications
Implementation Issues Group Discussion

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