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**Problem**
- People frequently miss parts of meetings and may need to catch up on content they miss

**Current Catch-up Styles**
- Listen and deduce content privately
- Quietly ask a friend who is nearby
- Instant message a friend in meeting
- Catch up after meeting

**User Comments**
- “Often you miss critical conversations when you step out or are interrupted during a meeting and then you try to play catch up”

**Goals**
- Allow people to catch up on missed parts of live conversations
- Review “areas of interest”
- Without disrupting meeting

**Solution**
- AIR Conferencing: TiVo-like review
- Multi-party videoconferencing with data sharing and live transcript
- Review with any modality at any time

**Features**
- Control speed of review (1.6X default)
- Watch past and present at same time
- Listen to either past or present
- Set review checkpoints

**Useful?**
- Users want to “TiVo” conference calls
- 35% of business users would like to “TiVo” conference calls

**Preliminary Evaluation**
- 18 users tried; live videoconference
- Users interrupted twice during conference

**Catch-up Mechanisms**
- Transcript-Only:
  - Users manually scroll transcript
  - No replay of past content
- Muted-Replay:
  - Replay all modalities except audio
  - Hear live audio (past audio muted)
- Full-Replay:
  - Replay all modalities
  - Hear past audio (live audio muted)

**Results**
- Most users (16/18) preferred full-replay
- “it was fast, easy to concentrate and auto catch up”, “I can listen to audio while watching the live slide show and transcript”
- Two users preferred transcript-only
  - “you can listen to current conversations and read transcripts”, “it is easier to multi-task”

**Future Work**
- Improve transcript quality
- Evaluate benefit of individual modalities
- Compare audio-only catch-up mechanism to those employing more than audio-only