OPTIMIZE FOR MY VOICE WITH SPEAKER IDENTIFICATION

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Abstract

The proposed system enhances speech in Cisco Webex video-conferencing applications. The demo aims to preserve the primary talker while suppressing interfering talkers, noise, and reverberation. Besides these challenges, the system automatically controls the volume of the primary talker. The novelty of the proposed system is given by implementing adaptive primary talker detection and tracking while preserving fast and accurate far-field talker attenuation.

1. Webex conferencing platform

2. System diagram

3. Speaker identification

4. Demo scenarios

5. System results

6. Future work

Optimize for my Voice with primary talker identification based on audio and video.