

## Combing Speaker Identification in Speech Recognition for Robotic Control

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- To percept the world is important knowledge for robot to do a task, using speech recognition technology for the human robot interaction become more and more important. A home service robot receives the commands from human being, and doing tasks. In order to apply a voice-control interface to the service, a robot should recognize the speaker and be able to understand what the speaker says in a real-time.
- System can use the confidence score to integrate speaker dialog and speaker verification to control the robot.
- After the speaker recognize, the speech system will compensate in order to obtain sufficient recognition performance.
- Acoustic model adaptation is the process of modifying the parameters of the acoustic model.

