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(57) Abstract :

The system (200) presented is designed for adjusting floor controls in a communication system based on the conversational characteristics of participants (202). It includes a server or cloud-based platform (204) to receive audio and video data streams, a Natural language processing module (206) for converting speech data to text, and a Machine learning algorithm module (208) to analyze the text data and extract conversational traits. The Conversational Trait Analysis Module (210) analyzes participants' speech patterns and behavior to extract conversational characteristics in real-time The Floor Control Modification Module (212) utilizes this analysis to ensure equitable participation among all participants in the conversation. The User Interface and Messaging Module (214) provides real-time feedback and interactive messaging to participants. Additionally, the system incorporates a feedback mechanism to provide real-time feedback to participants, displaying messages on their screens to encourage proper speaking behavior. Furthermore, a summary generator (216) offers a comprehensive summary at the session's end, including each participant's conversational characteristics, speaking time, and discussed topics.

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