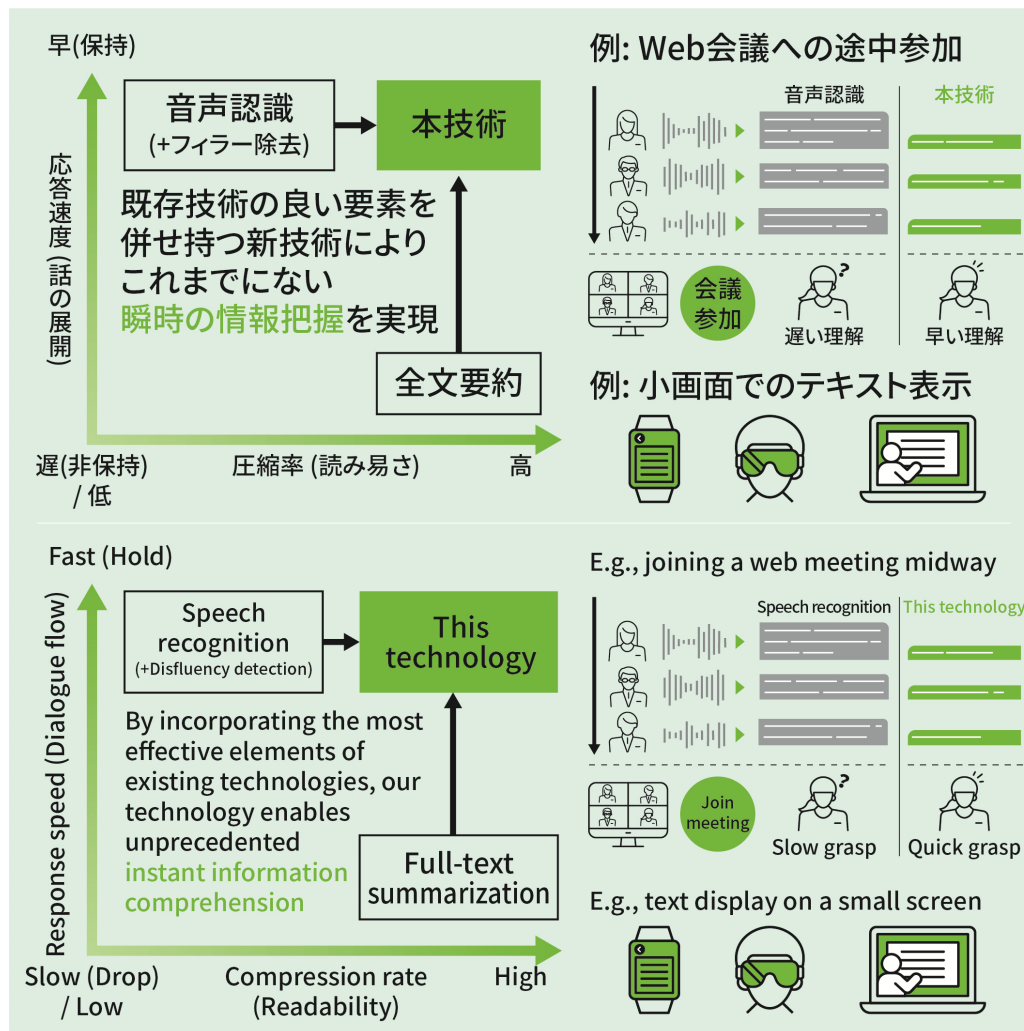


## Real-time speech summarization for developing human-like intent understanding

Next-generation speech recognition technology for instant information grasp and decision-making support

#Productivity Improvement, #Customer Experience Value Creation



### ///Technical Issue

When capturing the content of long meetings or similar audio in a short time, speech recognition provides real-time processing, but the output tends to be verbose. In contrast, full-text summarization excels in readability but struggles to maintain real-time processing.

### ///Research Goal

This technology allows users to grasp the content of long audio recordings, such as meetings or presentations, in real-time without having to listen to the entire recording. It enables improved work efficiency and better accessibility to information.

### ---Technology

We are developing a new technology that combines the strengths of speech recognition and full-text summarization to capture key points accurately, much like a human would, without the need to process all the audio. Using a compact model, it summarizes audio segments effectively, achieving real-time processing while ensuring efficient content understanding.

### ---Applicable Business

Information and communication technology sector:

Our technology can be applied to speech-based applications, such as real-time meeting minutes in web conferences and text display for people with hearing impairments on devices with small screens, such as smartwatches. (expected to be established by Q1 2026)

### ---Novelty

Existing speech recognition and full-text summarization technologies each have their own strengths and weaknesses in terms of real-time processing and content simplicity (readability). By combining the best features of these two technologies, our new approach offers a faster and more efficient way to deliver critical information, surpassing the limitations of previous methods in speech processing.