



# Application Of Speech With Their Analysis About Recognition

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**ABSTRACT:** *Speech recognition applications include voice user interfaces such as voice dialing, simple data entry, preparation of structured documents, speech-to-text processing, and aircraft. term voice recognition or speaker identification refers to identifying speaker, rather than what they are saying. Recognizing speaker can simplify task of translating speech in systems that have been trained on a specific person's voice or it can be used to authenticate or verify identity of a speaker as part of a security process.*



**Keywords:** *Single Word Error Rate, Command Success Rate, Recurrent Neural Networks(RNN's), Time Delay Neural Networks (TDNN's), Deep Neural Networks, Matlab, Voice Box, Fourier Transformation.*

## INTRODUCTION

In computer science and electrical engineering, **speech recognition** (SR) is conversion of spoken words into text. It is also recognized as "automatic speech recognition" (ASR), "computer speech recognition", or just "speech to text" (STT).

Some SR systems use "speaker-independent speech recognition" while others use "instruction" where an individual speaker reads sections of text into SR scheme. These scheme examine person's specific voice and use it to modify recognition of that person's dialogue, resulting in more exact text. Systems that do not use instruction are called "speaker-independent" systems. Systems that use instruction are called "speaker-dependent" systems.

The term voice recognition or speaker identification refers to identifying speaker, rather than what they are saying.

Recognizing speaker can simplify task of translating speech in systems that

have been trained on a particular person's voice or it can be used to authenticate or verify identity of a speaker as part of a security procedure.

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