

## عنوان مقاله:

Emotional Speech Recognition using Deep Learning

## محل انتشار:

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## خلاصه مقاله:

Emotion speech recognition (SER) is to study the formation and change of speaker's emotional state from his/her speech signal. The main purpose of this field is to produce a convenient system that is able to effortlessly communicate and interact with humans. The reliability of the current speech emotion recognition systems is far from being achieved. However, this is a challenging task due to the gap between acoustic features and human emotions, which rely strongly on the discriminative acoustic features extracted for a given recognition task. Deep Learning techniques have been recently proposed as an alternative to traditional techniques in SER. In this paper, an overview of Deep Learning techniques that could be used in Emotional Speech recognition is presented. Different extracted features like MFCC as well as feature classifications methods like HMM, GMM, LSTM and ANN were discussed.

Also, the review covers databases used, emotions extracted, contributions made toward speech emotion recognition

## کلمات کلیدی:

Speech emotion recognition, deep learning, deep neural network, Deep Boltzmann Machine, Recurrent neural network, Deep Belief Network, convolutional neural network

## لینک ثابت مقاله در پایگاه سیویلیکا:

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