

Performance Evaluation of Acoustic-Spectrographic Voice Identification Method in Native and Non-Native Speech

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Abstract : The paper deals with acoustic-spectrographic voice identification method in terms of its performance in non-native language speech. Performance evaluation is conducted by comparing the result of the analysis of recordings containing native language speech with recordings that contain foreign language speech. Our research is based on Tajik and Russian speech of Tajik native speakers due to the character of the criminal situation with drug trafficking. We propose a pilot experiment that represents a primary attempt enter the field.

Keywords : speaker identification, acoustic-spectrographic method, non-native speech, performance evaluation

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