

## عنوان مقاله:

Music Genre and Emotion Recognition Using Both Audio and Textual Features Analysis

## محل انتشار:

کنفرانس بین المللی تحقیقات بنیادین در مهندسی برق (سال: 1396)

تعداد صفحات اصل مقاله: 10

## نویسندگان:

Behnam Taheri - *M.S Student, Department of Computer Engineering West Tehran Branch, Islamic Azad University Tehran, Iran*

Sina Dami - *Assistance Professor, Department of Computer Engineering West Tehran Branch, Islamic Azad University Tehran, Iran*

## خلاصه مقاله:

Audio content analysis is about summarizing features of audio and classify them. Structural analysis is about high-level things like predicting tags (Genres), recommendation systems, search for cover ID. Most of the early-stage automatic Music Emotion Recognition (MER) systems were based on audio content analysis. Later on, researchers started combining audio and lyrics, leading to bi-modal MER systems with improved accuracy. In this paper, we proposed a novel method which combines the both audio and lyrics (textual) features with LDA topic model for MER followed by a support vector machine. Experimental results showed that the proposed method is more accurate than the baselines.

## کلمات کلیدی:

Music Genre Classification, Music Emotion Recognition, Audio Features, Lyrics Analysis, LDA Topic Model

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/673086>

