Music Emotion Recognition (Multimedia Computing, Communication and Intelligence)

Yi-Hsuan Yang, Homer H. Chen

Music Emotion Recognition (Multimedia Computing, Communication and Intelligence)

Yi-Hsuan Yang, Homer H. Chen

Music Emotion Recognition (Multimedia Computing, Communication and Intelligence) Yi-Hsuan Yang, Homer H. Chen

Providing a complete review of existing work in music emotion developed in psychology and engineering, **Music Emotion Recognition** explains how to account for the subjective nature of emotion perception in the development of automatic music emotion recognition (MER) systems. Among the first publications dedicated to automatic MER, it begins with a comprehensive introduction to the essential aspects of MER—including background, key techniques, and applications.

This ground-breaking reference examines emotion from a dimensional perspective. It defines emotions in music as points in a 2D plane in terms of two of the most fundamental emotion dimensions according to psychologists—valence and arousal. The authors present a computational framework that generalizes emotion recognition from the categorical domain to real-valued 2D space. They also:

- Introduce novel emotion-based music retrieval and organization methods
- Describe a ranking-base emotion annotation and model training method
- Present methods that integrate information extracted from lyrics, chord sequence, and genre metadata for improved accuracy
- Consider an emotion-based music retrieval system that is particularly useful for mobile devices

The book details techniques for addressing the issues related to: the ambiguity and granularity of emotion description, heavy cognitive load of emotion annotation, subjectivity of emotion perception, and the semantic gap between low-level audio signal and high-level emotion perception. Complete with more than 360 useful references, 12 example MATLAB® codes, and a listing of key abbreviations and acronyms, this cutting-edge guide supplies the technical understanding and tools needed to develop your own automatic MER system based on the automatic recognition model.

Download and Read Free Online Music Emotion Recognition (Multimedia Computing, Communication and Intelligence) Yi-Hsuan Yang, Homer H. Chen

From reader reviews:

Kathi Adamo:

What do you think about book? It is just for students because they are still students or this for all people in the world, the particular best subject for that? Only you can be answered for that concern above. Every person has various personality and hobby for every other. Don't to be pressured someone or something that they don't would like do that. You must know how great in addition to important the book Music Emotion Recognition (Multimedia Computing, Communication and Intelligence). All type of book would you see on many sources. You can look for the internet resources or other social media.

Jerry Bates:

What do you about book? It is not important along? Or just adding material if you want something to explain what the ones you have problem? How about your time? Or are you busy person? If you don't have spare time to complete others business, it is make you feel bored faster. And you have extra time? What did you do? Everyone has many questions above. They must answer that question due to the fact just their can do that will. It said that about reserve. Book is familiar in each person. Yes, it is right. Because start from on guardería until university need this particular Music Emotion Recognition (Multimedia Computing, Communication and Intelligence) to read.

Bernice Mignone:

As people who live in the modest era should be upgrade about what going on or facts even knowledge to make them keep up with the era that is certainly always change and move forward. Some of you maybe may update themselves by reading through books. It is a good choice in your case but the problems coming to you actually is you don't know what one you should start with. This Music Emotion Recognition (Multimedia Computing, Communication and Intelligence) is our recommendation so you keep up with the world. Why, since this book serves what you want and need in this era.

Brianna Bell:

In this period globalization it is important to someone to acquire information. The information will make a professional understand the condition of the world. The healthiness of the world makes the information easier to share. You can find a lot of references to get information example: internet, newspaper, book, and soon. You will observe that now, a lot of publisher this print many kinds of book. Often the book that recommended for your requirements is Music Emotion Recognition (Multimedia Computing, Communication and Intelligence) this book consist a lot of the information with the condition of this world now. This particular book was represented just how can the world has grown up. The terminology styles that writer require to explain it is easy to understand. Often the writer made some study when he makes this book. This is why this book suited all of you.

Download and Read Online Music Emotion Recognition (Multimedia Computing, Communication and Intelligence) Yi-Hsuan Yang, Homer H. Chen #ZPNASHC5ML0

Read Music Emotion Recognition (Multimedia Computing, Communication and Intelligence) by Yi-Hsuan Yang, Homer H. Chen for online ebook

Music Emotion Recognition (Multimedia Computing, Communication and Intelligence) by Yi-Hsuan Yang, Homer H. Chen Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Music Emotion Recognition (Multimedia Computing, Communication and Intelligence) by Yi-Hsuan Yang, Homer H. Chen books to read online.

Online Music Emotion Recognition (Multimedia Computing, Communication and Intelligence) by Yi-Hsuan Yang, Homer H. Chen ebook PDF download

Music Emotion Recognition (Multimedia Computing, Communication and Intelligence) by Yi-Hsuan Yang, Homer H. Chen Doc

Music Emotion Recognition (Multimedia Computing, Communication and Intelligence) by Yi-Hsuan Yang, Homer H. Chen Mobipocket

Music Emotion Recognition (Multimedia Computing, Communication and Intelligence) by Yi-Hsuan Yang, Homer H. Chen EPub