

Osaka University
CONSENT TO BE A RESEARCH SUBJECT

**A Computational Model for Music Recommendation
Using Emotion Motifs**

A. PURPOSE AND BACKGROUND:

You are being asked to volunteer for a research study. This research is sponsored by Global COE (Centers of Excellence) Program of the Ministry of Education, Culture, Sports, Science and Technology, Japan. The purpose of this study is to identify parts of music that invoke emotional responses. The researcher in charge is Rafael Cabredo supervised by Dr. Roberto Legaspi and Prof. Masayuki Numao. This research is being done at the experiment room of Architecture for Intelligence (Numao laboratory) and will involve approximately 3 volunteers.

B. PROCEDURES:

If you agree to participate in this research, the following will happen:

Part 1

1. You will be asked to rate 121 songs using software developed by the researchers. For each song, you will manually identify the degree of happiness, sadness, relaxation, and stress it causes while you listen to the songs as well as your familiarity with the song.
2. After each song is rated, twenty (20) songs will be chosen for the 2nd part of the experiment.

Part 2

1. You will wear an Electroencephalogram (EEG) helmet that has electrodes to measure brain activity.
2. We will record the data collection session using a video camera.
3. While wearing this helmet, you will listen to 20 songs arranged randomly by the researcher.
4. After listening to each song, the researcher will ask some questions about the experience you had while listening to the music.
5. Steps 2 and 3 need to be repeated three (3) times during different sessions.
6. During the experiment, you have to close your eyes and listen to the music attentively. The helmet is very sensitive to movement as well. So you have to sit in a comfortable position while the signals are being recorded.
7. Since wearing the helmet can become stressful after some time, we will limit each session to 30 minutes only or until such time that you feel it is already necessary to stop.

C. DURATION:

Participation in the study will take about 9 visits over a period of 6 to 9 days. Part 2 will begin a week after part 1.

D. RISKS/DISCOMFORTS:

Electroencephalogram (EEG): This device has electrodes that measure brain electrical activity. Prior to use, the contact points of the electrodes will be submerged in saline solution. When the device is placed on your head, there will be slight discomfort due to the damp contact points of the electrodes and the slight pressure experienced on the scalp. While using this device, hair ornaments or accessories should be removed.

E. COSTS TO THE SUBJECT:

There are no costs for participating in this study.

F. PAYMENT TO PARTICIPANTS:

In return for your time, effort and travel expenses, you will be paid 7,000 yen for participation in this study. You will receive payment upon completion of your participation the research.

G. CONFIDENTIALITY:

Data we collect in this research are classified into 2:

Personal Data means data that allows someone to identify or contact you, including, for example, your name, address, telephone number, email address, as well as any other non-public information about you that is associated with or linked to any of the foregoing data.

Anonymous Data means data that is not associated with or linked to your personal data; Anonymous data does not, by itself, permit the identification of individual persons.

The Numao laboratory ensures that: all research data are used only in appropriate and ethical ways; research participants are protected; and personal data safeguarded.

The information provided by you will be used for research purposes. It will not be used in any manner which would allow identification of your individual responses.

Anonymised research data will be archived by Numao laboratory in order to make them available to other researchers in line with current data sharing practices. Should other researchers wish to use your data, they to comply with an end user license, in which

they agree to certain conditions on the use of the data, i.e. not using data for commercial purposes, not identifying any potentially identifiable individuals and not sharing data with a 3rd party.

CONSENT FORM FOR "A Computational Model for Music Recommendation Using Emotion Motifs"

Please tick the appropriate boxes

Yes No**Taking Part**I have read and understood the project information sheet dated 01/18/2012. ☐ ☐I have been given the opportunity to ask questions about the project. ☐ ☐I agree to take part in the project. Taking part in the project will include being interviewed and recorded (video). ☐ ☐I understand that my taking part is voluntary; I can withdraw from the study at any time and I do not have to give any reasons for why I no longer want to take part. ☐ ☐**Use of the information I provide for this project only**I understand my personal details such as phone number and address will not be revealed to people outside the project. ☐ ☐I understand that my words may be quoted in publications, reports, web pages, and other research outputs. ☐ ☐**Please choose on of the following two options:**I would like my real name used in the above ☐I would **not** like my real name to be used in the above. ☐**Use of the information I provide beyond this project**I agree for the data I provide to be archived by Numao laboratory. ☐ ☐I understand that other genuine researchers will have access to this data only if they agree to preserve the confidentiality of the information as requested in this form. ☐ ☐I understand that other genuine researchers may use my words in publications, reports, web pages, and other research outputs, only if they agree to preserve the confidentiality of the information as requested in this form. ☐ ☐**So we can use the information you provide legally**I agree to assign the copyright I hold in any materials related to this project to Rafael A. Cabredo. ☐ ☐Name of participant : **<Subject name>**, Signature _____ Date _____Name of researcher : **Rafael A. Cabredo**, Signature _____ Date _____

Project contact details for further information: Rafael Cabredo, Roberto Legaspi, Masayuki Numao, {cabredo, legaspi, numao}@ai.sanken.osaka-u.ac.jp, Architecture for Intelligence, The Institute of Scientific and Industrial Research, 8-1 Mihogaoka, Ibaraki, Osaka, 567-0047, tel. +81-6-6879-8426