

**Consent Document for Enrolling
Adult Participants in a Research Study**

**Georgia State University - Georgia Institute of Technology
831 Marietta Street
Atlanta, GA 30318**

Project Title: Subjective Listening Tests for evaluating Singing Voice
Separation algorithms.

Investigators: (PI) Dr. Elliot Moore, II

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Introduction:

You are being asked to be a volunteer in a research study involving a set of listening tests to determine the quality of singing voice separation algorithms in separating vocals from the background accompaniment in audio clips from professionally produced music samples.

Purpose:

The purpose of this research is to develop an objective metric which can be used to evaluate and compare various SVS algorithms in a manner similar to human listeners. Potential applications that would be affected by this work include blind source separation (i.e. separating component signals from a mixture of signals, without previous knowledge of sources), karaoke (i.e., removing vocals from musical audio so that only accompanying music remains), musical remixes, and various forms of dubbing (i.e., movie dubbing of an actor's voice traits on a foreign language interpreter).

Exclusion/Inclusion Criteria:

For the purposes of this study, volunteers must be able to hear without the aid of a hearing device so the algorithms being developed can be examined without consideration of interference of other devices that could alter listener perception.

There are no other exclusion/inclusion criteria for this study as it bears minimal risk to any volunteer.

Procedures:

Should you choose to participate in this study you will be asked to complete the following components:

1. *Listening Test #1:* You will be asked to listen to a set of audio stimuli with vocals separated from music and rate them for comparison based upon the described criteria in three tasks.
(~5-7 minutes)
2. *Listening Test #2:* You will be asked to listen to a set of audio stimuli with accompaniment separated from music and rate them for comparison based upon the described criteria in two tasks.
(~5-7 minutes)

All volunteers will be requested that they wear headphones/earphones while participating in the test. The volunteers can participate in the test any time at their own convenience through a web-interface.

Risks or Discomforts:

There are no known risks or discomforts associated with this research study.

Benefits:

There is no direct benefit to the volunteer for their participation in this study. However, it is the hope of the investigators to use the knowledge of this study as a building block for creating better measures to evaluate source separation.

Compensation to You:

None

Confidentiality:

No personal information will be collected from you.

Costs to You:

There are no costs to you, other than your time, for being in this study.

In Case of Injury/Harm:

If you are injured as a result of being in this study, please contact Elliot Moore II, Ph.D., at telephone (404) 384-7354. The Principal Investigator and Georgia Institute of Technology have made no provision for payment of costs associated with any injury resulting from participation in this study.

Participant Rights:

- Your participation in this study is voluntary. You do not have to be in this study if you don't want to be.
- You have the right to change your mind and leave the study at any time without giving any reason and without penalty.
- Any new information that may make you change your mind about being in this study will be given to you.
- You will be given a copy of this consent form to keep.
- You do not waive any of your legal rights by signing this consent form.

Questions about the Study:

If you have any questions about the study, you may contact Dr. Elliot Moore II at telephone (404) 384-7354 or em80@mail.gatech.edu

Questions about Your Rights as a Research Participant:

If you have any questions about your rights as a research participant, you may contact

Ms. Melanie Clark, Georgia Institute of Technology
Office of Research Compliance, (404) 894-6942.

Reading through this document and progressing with the test by clicking the "Start!" button will indicate that you understand what you have read (or have had read to you) and would like to be a volunteer for this study.