

CSC 83060, Final Project

Prof Michael Mandel

Due: May 10 and 17, 2019

1 Overview

- This is the final project for the class
- It consists of two parts:
 - An in-class presentation (**on May 10**)
 - A written document (**due May 17**)
- Please submit your document and slides to the dropbox on BlackBoard

2 Instructions

This project is worth 40% of your final grade in the class, broken down into 10% for the presentation and 30% for the writeup.

The goal of the project is to investigate a scientific or engineering problem related to speech and audio understanding.

2.1 Presentations (10% of final grade)

Each presentation will be allocated 9 minutes for the main presentation and an addition 3 minutes for a question and answer period. Presentations can either use the podium computer or your own laptop. If you plan on using the podium computer, please copy your presentation onto it before class begins. If you plan to use your own laptop, please test it with the projector before class begins.

Presentations must cover

- The problem you addressed
- Why it is an interesting / important problem
- What data and tools you used
- An evaluation of the success of your approach

The slides for your talk are due **before class on May 10, 2019**.

2.2 Papers (30% of final grade)

A paper describing your project is due on **May 17, 2019** by 11:59pm. It is due after the presentation so that it can incorporate feedback that you get from the presentation. Incorporating this feedback is **mandatory** and will be part of the grade.

Papers should use the formatting guidelines and templates of the 2019 IEEE Conference on Acoustics Speech and Signal Processing (ICASSP), available at

<http://www.icassp2016.org/papers/PaperKit.html#Templates>. The text of the paper should be 4 pages long, while references can go onto a fifth page.

The paper should be modeled on one that you might present at an academic conference, like ICASSP. It should therefore be a research paper, meaning that it explains experimental research that you have done. Here are some example papers of mine that might provide a useful reference:

- <http://m.mr-pc.org/work/interspeech16.pdf>
- <http://m.mr-pc.org/work/waspaa15.pdf>
- <http://m.mr-pc.org/work/interspeech14.pdf>

A recommended outline for the paper is:

1. Introduction of problem
2. Literature review of related approaches
3. Technical description of system
4. Experiments testing system
5. Conclusions and future work