Assignment: Course Project

Assignment Overview

The course project is an ideal platform to practice what you have learned from the course, and to introduce you to research. You can do this assignment by yourself, but you are encouraged to partner with another student.

Any topics related to computer audition are encouraged. You are expected to propose some new ideas to solve a new or existing problem. The scale of the project should be significantly larger than the homework problems. You are expected to go through the entire research cycle of the project, including problem formulation, literature review, algorithm implementation, testing, paper writing, and presentation.

How You Will Be Graded

Proposal	5 points
Status report	5 points
Final report draft	5 points
Final report final version	5 points
Poster presentation	10 points
Total	**30 points**

What to Hand In

- **Proposal:** a 1-page document describing what you want to do, why you want to do it, and how you plan to do it for the project. A tentative week-by-week plan with a task allocation plan among teammates should be included. As time goes on, it's OK to deviate from your original plan and even the topic. But having a plan is better than not having a plan. Name it as <firstname>_<lastname>_Proposal.pdf. This assignment will be evaluated based on how well the problem is formulated and how clear your description is.
- **Status report:** a 2-page document describing what you have done so far, what results you have achieved, and what need to be done. Make it clearly who did what in the team. Apparently this document should also introduce the project in the beginning. Name it as <firstname>_<lastname>_StatusReport.pdf. This assignment will be evaluated based on the amount and quality of work you have done and the clarity of the report.
- **Final report draft:** A draft of your final report describing your project. Your report should be organized as a research paper, with abstract, introduction, method, conclusions, and references. Use the ISMIR 2018 template to write your report. Latex and Word templates can be downloaded at http://ismir2018.ircam.fr/pages/call-submission.html. (Please remove the copyright notice.) Please be complete, concise, and clear. Name your report as <firstname>_<lastname>_ReportDraft.pdf. This assignment will be evaluated based on the amount and quality of your work, the novelty of the project, and the clarity of the report. Your draft will be reviewed by other students. Their feedback is valuable for you to improve your project.
- **Final report final version:** The finalized version of your final report. You should address the feedback you received on your draft. Name your report as

<firstname>_<lastname>_ReportFinal.pdf. Same format and evaluation metrics as the draft. But this time you should include all the code and example audio files in the submission.

- **Poster Presentation:** A poster (size no larger than 48"*36") illustrating your project. You will present your poster in front of others like what you would do when attending an academic conference. You can print your poster at our university's printing centers. Name it as <firstname>_<lastname>_Poster.pdf. Your presentation will be evaluated by several faculty members and senior PhD students, based on the amount and quality of your work and the clarity of your presentation.

How to Hand It In

Submit via blackboard to the appropriate entry. You can make multiple attempts but only the last attempt will be graded.

When to Hand It In

All assignments are due immediately at the beginning of the class on the date specified on the course calendar. **Late assignments will not be graded.**

Other Notes

Your final report and poster will be uploaded to the course website as examples for future students.