CS 6824: Project Proposal Logistics

Website: https://people.cs.vt.edu/dbhattacharya/courses/cs6824/
Piazza: https://piazza.com/vt/spring2022/cs6824/home
Canvas: https://canvas.vt.edu/courses/145337
Grading

- **Class participation: 20%**
  - Involvement in class - 5%
  - Peer review - 15%
- **Paper presentation: 30%**
  - Each student presents 2 papers (1 before and 1 after spring break each 15%)
  - List of papers will be available for students to pick
- **Project: 50%**
  - Proposal - 20% (10% for whitepaper and 10% for presentation)
  - Report/paper - 15%
  - Presentation - 15%

Grading scale

(after computing ceiling of the final percentage of points earned)

- A: 93%–100%  
  - A-: 90%–92%  
  - B+: 87%–89%  
  - B: 83%–86%
- B-: 80%–82%  
  - C+: 77%–79%  
  - C: 73%–76%  
  - C-: 70%–72%
- D+: 67%–69%  
  - D: 63%–66%  
  - D-: 60%–62%  
  - F: Below 60%
Tentative Course Schedule

- **Introductory lectures**
  - Crash course on molecules
  - A general overview of AI-powered Molecular Modeling

- **Paper presentations**
  - Student presentation of research papers
  - Peer review of papers by students

- **Course projects**
  - Proposal whitepaper and presentation, peer review
  - Final presentation + report
Paper Presentations

- Each student will present 2 papers picked by the student
  - The goal of the presentation is to facilitate a discussion, focusing on:
    - Present the biological question and the corresponding computational abstraction
    - How did the authors address the problem?
    - Did they manage to answer the original biological question?
    - How can we improve the results? What are future directions?

- The remaining students are required to write a short peer review
  - Summary of the paper
  - Major and minor comments
  - Outlook/future directions

- Easychair reviews released for the papers you presented to date
Deadlines

Note: All deadlines are until 11:59 PM EST unless otherwise specified

- **Jan 31**: Pick 2 papers to present from [this list](#) and electronically submit the papers to [EasyChair](#) as the corresponding author (publicly discuss your preference in Piazza)
- **Feb 4**: Accept invitation to be a PC member
- Submit presentation and peer-review reports no later than 24 hours before each paper presentation
- **Mar 4**: Submit project **proposal whitepaper** to [Canvas](#) and concurrently upload to [EasyChair](#)
- **Mar 13**: Submit project **proposal presentation** to Canvas
- **Mar 16**: Submit proposal peer reviews via [EasyChair](#)
- **Apr 13**: Submit project presentation to Canvas
- **May 4**: Submit final project report to Canvas and concurrently upload to [EasyChair](#)
Course Project

- Can be done individually or in a group (2 students max / project)
- First write and present a proposal, which will receive feedback from fellow students via EasyChair
- Then, conduct research and write a paper
- Pick a venue (conference/journal) and use NeurIPS LaTex template style for your paper
- Extra credit for shooting for conference/journal submission
Course Project

- Can be done individually or in a group (2 students max / project)
- First write and present a proposal, which will receive feedback from fellow students via EasyChair
- Then, conduct research and write a paper
- Pick a venue (conference/journal) and use NeurIPS LaTeX template style for your paper
- Extra credit for shooting for conference/journal submission
Proposal whitepaper

- The project proposal should identify the **problem**, outline your preliminary **approach**, and propose the **metrics for evaluation**

- It should also discuss a proposed plan containing a breakdown of various tasks and important **project milestones** and who on your team will be responsible for what tasks for team-based projects

- The project milestones should be a prediction for planning purposes, but you are not obligated to adhere to them precisely

- Your proposal should **list at least three recent, relevant papers** you will read and understand as background

- The project proposal must be written using the following guidelines:
  - 11 point or higher font, except text that is part of an image
  - Times New Roman font for all text, Cambria Math font for equations, Symbol font for non-alphabetic characters (it is recommended that equations and symbols be inserted as an image)
  - 1" margins on all sides, no text inside 1" margins (no header, footer, name, or page number)
  - No less than single-spacing (approximately 6 lines per inch)
  - Do not use line spacing options such as "exactly 11 point", that are less than single spaced
  - The project proposal is required to be between 2 - 3 pages in PDF file format only to be submitted electronically via Canvas and concurrently uploaded to EasyChair. The page limit includes all references, citations, charts, figures, and images

**Mar 4:** Submit project **proposal whitepaper** to Canvas and concurrently upload to EasyChair
Proposal presentation

- Each group will prepare few slides to describe the project plan and deliver a **10-minute** in-class presentation.

- The presentation should outline the **problem**, preliminary **approach**, and propose the **metrics for evaluation**.

- It should also discuss a proposed plan containing a breakdown of various tasks and important **project milestones** and who on your team will be responsible for what tasks for team-based projects.

**Mar 13**: Submit project **proposal presentation** to Canvas
Project groups

- Group 1: Jun Chen and Ngoc Khoi Dang
- Group 2: Monjura Afrin Rumi
- Group 3: Bernard Moussad
- Group 4: Md Hossain Shuvo
- Group 5: Samira Mali
- Group 6: Mohimenul Karim
- Group 7: Joung Min Choi
- Group 8: Sareh Ahmadi
- Group 9: Gunnar Nelson
- Group 10: Rahmatullah Roche

Group info available in the course website and Canvas

Mar 14

no class on Mar 16

Mar 21

Submission deadlines are the same for all groups
Proposal peer-review

- Will be assigned via EasyChair
- Maximum of 3 peer-reviews per person

Mar 16: Submit proposal peer reviews via EasyChair
Deadlines

Note: All deadlines are until 11:59 PM EST unless otherwise specified

- **Jan 31**: Pick 2 papers to present from this list and electronically submit the papers to EasyChair as the corresponding author (publicly discuss your preference in Piazza)
- **Feb 4**: Accept invitation to be a PC member
- Submit presentation and peer-review reports no later than 24 hours before each paper presentation
- **Mar 4**: Submit project proposal whitepaper to Canvas and concurrently upload to EasyChair
- **Mar 13**: Submit project proposal presentation to Canvas
- **Mar 16**: Submit proposal peer reviews via EasyChair
- **Apr 13**: Submit project presentation to Canvas
- **May 4**: Submit final project report to Canvas and concurrently upload to EasyChair
Policies

- **Collaboration Policy**
  - You are encouraged to collaborate
  - Give proper credit when its due
  - *Project proposal/report will be plagiarism checked*

- **Academic integrity**
  - Students enrolled in this course are responsible for abiding by the Honor Code
  - Zero-tolerance philosophy regarding plagiarism or other forms of cheating

- **Principles of Community**
  - The course will include in-class discussions, and we will adhere to Virginia Tech Principles of Community.

- **Accessibility**
  - If any student needs special accommodations because of any disabilities, please contact the instructor during the first week of classes.
  - Such students are encouraged to work with The Office of Services for Students with Disabilities to help coordinate accessibility arrangements.

- **COVID-19 Policy**
  - Please follow the instructions posted at the University and public health guidelines for the latest COVID-19 Policy.
Questions?

Checkout course webpage at:
https://people.cs.vt.edu/dbhattacharya/courses/cs6824/

...and ask questions via Piazza:
https://piazza.com/vt/spring2022/cs6824/home