


# EECS 570 Project

Sep 18, 2026

# Reminders

- PA1
  - Submit to Canvas by Sep 29th
- Exam Conflicts / Accommodations
  - Submit google form by Sep 29th

# Reminders

- Piazza Posts
  - Please make them public if a general question
  - Try to write them like a good GitHub Issue
    - Detailed Description
    - How to reproduce / code snippet
    - Error produced
    - Attempted Debugging
  - Don’t post specific assignment solutions
  - **Project related topics are fair game for the exams**

# Reminders

- Don’t cheat!
- You are setting yourself up for failure.

# Overview

1. Introduction
2. Logistics
3. Sample Project Ideas

# Project Introduction

- What?
  - A research project where you will innovate new designs or evaluate extensions to designs broadly in the domain of multiprocessor, multicore, SIMD, GPU and other parallel architectures.
- When?
  - Now until the end of the semester
- Why?
  - This is worth **25%** of your grade
- Who?
  - Groups of 4-5

# Important Deadlines

## Proposal

- October 7th - Select Groups (Submit via Google Sheet)
- October 7th - Written Proposal  (Submitted to Canvas)
- October 8th and 9th - Group meeting with course staff

## Milestone Meeting

- October 28th - Slide Deck (Submitted to Canvas)
- October 29th & 30th - Group meeting with course staff

# Important Deadlines

## Poster Presentation

- Dec 9th - During lecture time on last day of lecture
- Dec 9th - PDF of poster (Submitted to Canvas)

## Final Report

- Dec 13th - PDF of paper (Submitted to Canvas)

## Final Exam

- Dec 15th

# Grading

- Proposal and milestone reports (5 points)
- Final report (15 points)
  - Details in handout
- Presentation (15 points)
- Assessment of problem, idea, and execution (65 points)

# Project Proposal

- Brief Report (Max 2 pages)
  - Problem definition and motivation
  - A brief survey of related work with at least four relevant papers
  - Detailed description of proposed infrastructure
  - Project milestones and schedule
  - Division of labor
- Meeting with Course Staff

# Milestone Report

- Slide Deck (5-10 slides)
  - Updated problem context / motivation
  - Solution
  - Tools
  - Initial Results
- Presentation to and Meeting with Course Staff

# Poster Session & Final Report

- Poster Session
  - Present a physical 30” x 40” poster
  - To teaching team and other students
- Architectural Conference Style Paper (6 pages)
  - Targeting a high-quality workshop paper
  - Include section with contributions of each team member
  - Citations/references are important

# Infrastructure & Resources

- Great Lakes
  - Multicore Machines
  - (Some) GPUs
- Cycle-accurate architectural simulators
  - gpgpusim, gem5, snipersim
- RTL Synthesis Library
  - Synopsys available on CAEN
- Ask if you are looking for something else

# Logistics Questions?