

ECE 8930: Parallel Computing Seminar

Instructor: Dr. Jon C. Calhoun
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Office: Riggs 221-C

Class Location: Riggs 301

Meeting Times: Tuesday 12:30 PM – 1:30 PM

Office Hours: Tuesday 11 AM – 12 PM Additional office hours must be arranged via email.

Course Description (1 credit hours)

Students working in parallel, cluster, HPC or related areas read/present transformative publications within the past year. Students will get chance to present in-progress work and practice presenting technical material.

Course Objectives

At the successful completion of the course,

- Students will develop oral communication skills
- Students will constructively critique technical presentations
- Students will learn how to effectively read papers
- Students will write reviews for published research papers

Required Materials

Textbook: None

Internet connected laptop.

Course Management System

The Canvas© system will be used to make class announcements, turn in assignments, and provide students access to additional course materials (e.g. PowerPoint slides, assignments, gradebook, papers discussed).

Tentative Topical Outline

The list of speakers and topics will be created on the first day. Check Canvas for the current list.

Grading

Scale:

A: [90%, 100%]; B: [80%, 90%]; C: [70%, 80%]; D: [60%, 70%]; F: [0%, 60%]

Presentation:

80%

Attendance and Participation:

20%

Paper Presentation

When presenting in class, the student(s) will be responsible for making slides and facilitating discussion (if needed). The presentation can be you practicing for an upcoming conference talk, presentation from a summer internship, in-progress research results, or a paper you found interesting. If presenting on a research paper you did not author, you should largely focus on the paper but may contain supplemental material. This type of presentation should focus on highlighting the paper's major ideas in a way to foster discussion. This is not just a restatement of the paper's ideas. Example discussion topics include:

- New ideas and techniques
- Comparisons with other papers
- Strengths of paper
- Shortcomings of paper
- How you would have done things differently

Paper Reviews

Each student will submit a paper review for all papers discussed in class prior to the paper being discussed. Reviews should address each of the following sections in no more than 3 sentences per section:

- Brief summary of the paper
- Strengths of the paper
- Shortcomings of the paper
- How would you improve on this work?
- A question or issue to raise for discussion

Presentation Critique

Each student will submit a critique for all presentations discussed in class. Reviews should address each of the following sections in no more than 3 sentences per section:

- Positives of presentation and discussion
- How could the presentation and discussion be improved?

Email Policy

To receive a response, emails must be sent from your Clemson University email address and must include the course number. Dr. Calhoun will respond within 24-hours during weekdays unless on travel.

Late Assignments

Late assignments will have 1 letter grade deducted for each day that they are late. Examples of excused absences include a death in the immediate family or personal conditions requiring hospitalization or emergency treatment. Personal illnesses such as colds, general fatigue, or general sickness are not typically excused. If you are unsure if your situation will be excused, contact the professor in a professional manner prior to or as soon as possible after the missed assignment.