EE 5621 TECHNICAL PRESENTATION INSTRUCTIONS RVISED S. G. Burns

 20 October 2021

You are to prepare and present a PowerPoint technical presentation on the selected topic at the designated time. The Power Point presentation will be posted on the EE 5621 Course WEB Page. I will change slides upon your command as you present your topic. (i.e. “ next slide please”)

As you probably realize, there are many very interesting semiconductor technology topics. The objective of this project is for you to provide an interesting and contemporary presentation of a particular topic at a level appropriate to this 5000 course. I have selected a variety of current topics that fit within the EE 5621 course description. A major objective is to go beyond what we did in class and the textbook. Based upon your feedback on the “Project Presentation Preferences” and also going by alphabetical order from the registrar’s class list, I paired each of you up with a topic. If there is a topic someone else has and you want , you are welcome to negotiate a trade with that person, but I want your decision no later than Wednesday, 3 November. Otherwise, I will freeze the list effective Thursday, 4 November.

**Please adhere to the following:**

* A presentation of the topic at a depth appropriate to this senior-level technical elective course. You must go beyond what was discussed in class if the topic overlaps what we have done in class.
* There will be a total of 15 presentations over eight class periods with two presentations during each class period starting Monday, 22 November, and continuing through Friday, 10 December.
* You will have a maximum of 25 minutes to present the topic; including several minutes of time allocated for responding to questions and comments from the **class and me**. Recall that our class period is 50 minutes,

i.e. 2 x 25 =50 minutes. We will start promptly at 10 am .

* There is no minimum time but if the presentation is too short and doesn’t adequately cover the topic, your evaluation will reflect this as a weakness.
* I require your individual feedback for each speaker. I will prepare a few questions for you and require an e-mail response. Your evaluations will be confidential.
* If there is another topic that you want to present during your time slot, set up a ZOOM meeting discuss your ideas with me to see if it fits within the context of the course.
* Collaboration between individual presenters is encouraged and is expected if the sequential topics are symbiotic.
* Your PowerPoint will be posted on the EE 5621 Course WEB page for your colleagues to follow along.

Your PowerPoint schedule for posting is due to me as follows **NO EXCEPTIONS!**:

* Monday Presentations-Previous Friday by noon
* Wednesday Presentations-Previous Monday by noon.
* Friday Presentations-Previous Wednesday by noon
* This lead time provides an opportunity for me to check that your Power Point will display correctly since you are all probably using different software versions. Shareware versions of Power Point may not work and also may not display graphics and scientific symbols correctly.
* I will provide my evaluation to you along with a letter grade by e-mail. Refer to the course syllabus as to the weighting for determination of the course grade, tentatively 25%. This is a collaborative effort; not competitive. This format is as close as I can come to synthesizing a professional conference and actually is similar to the COVID-resultant virtual conference format.
* Your PowerPoint presentation must conform to the following format:
* **First slide**

Topic/Title, Brief abstract with key concepts and key words, your name, and date of presentation.

* **Second Slide**

Outline/Introduction-i.e. where are you going and what do you expect to cover.

* **Topic Slides**

Be sure that they are readable!!! I understand that figures and charts excerpted from the literature and WEB may not have font sizes with issues. Do your best with what you can control. Any diagrams, data, photos, etc. must have attributions or acknowledgments.

* **Last of the Topic Slides**

Summary and conclusions

* **Reference Slide**

A review and incorporation of the literature is required. You **must not** just rely on a single source like Wikepedia. I expect you will use references including print journals like IEEE Transactions, APL, etc. and trade magazines, as well as other WEB URLs. Your references should be current, relevant, and traceable.

* **Last Slide**

A list of five concepts, key points, or discussions from your presentation that could be used as a basis for questions on our **Final Exam**! Your colleagues in our class will use these lists and your posted presentations as Final Exam study material!!!