ECE611 / CHE611: Electronic Materials Processing  
Fall 2017  
John Labram  
Term Paper  
Due at the beginning of class Tuesday November 21st

Topic Selection and Assignment  
A list of available topics will be listed on the course website after class on Tuesday 17th October, together with a link to a review article on the subject. The article is chosen to give you an overview of the subject; it should not serve as your only source of information for the term paper, but provide a starting point to find other references. Ensure you are on campus or connected via VPN to have access to the article.

Please email a list ranked list of your top 10 topics to John (john.labram@oregonstate.edu) by 5pm on Monday 23rd. I will assign each of you a topic as fairly as possible given your choices at 10am on Friday 27th October. There will be a maximum of 2 of you assigned a single topic. You must write your term paper independently however.

Paper Regulations  
The paper should adhere to the following specifications:
- Be between 4 – 5 pages long, including title, figures, captions etc., but not including references.
- Be written in Times New Roman font, 11pt.
- Single spaced.
- Single column.
- Have 1 inch / 2.54 cm margins.
- Be written in American English.
- Figures should be floating and have an appropriate caption and numbering scheme.

Paper Structure  
The paper should be broken up into the following sections:
1. **Introduction.** Here you should give an overview of the broader landscape and the motivation for the technology.
2. **Theory.** A description of the topic in terms of relevant materials science, physics, chemistry etc.
3. **State of the field.** Describe the current capabilities of the technology are, and the current challenges.
4. **Outlook.** What is your opinion of the technology? What are likely to be the big developments in the next few years?
5. **Conclusions.** A summary paragraph.
6. **References.** Not included in page limit.

Note: The paper does not require an abstract.

Submission and Assessment  
Hand in the finished term paper (printed physical copy) at the beginning of class on Tuesday 21st November. The graded paper will be returned to you in class on Thursday 30th November.

There will be a total of 20 marks available. You will be assessed based on the following criteria:
- Quality of scientific language.
- Clarity of information delivery.
- Demonstration of understanding of the topic
- Informed and balanced assessment of the subject for commercial applications.
- Overall presentation.
- Quality of figures
- Appropriate use of references.

Marks will be removed for not following the regulations as described above.

**Late papers will lose 20% of overall mark, per day late.**