EE5344: Introduction to Microelectromechanical Systems (MEMS) and Devices

Term Project Assignment
Spring 2010

The term project will make-up 30% (40% for dist-ed. students) of the course grade. The project will be a research project focused on a single micro-sensor or micro-actuator system or device. General coverage of a wide field of devices or systems will not be accepted. It is assumed that completion of the project will require an extended research of the field using both conventional library search methods and Internet tools. A complete bibliography is to be included at the end of the project report.

Use numbered references in the text to refer to your sources. The bibliography should be either ordered alphabetically by the last name of the first author or ordered according to the citation order in your text. Do not list references that you do not refer to in your text. The bibliography format:


Use of Web pages and other non-archival sources are discouraged.

It is expected that the graduate students will be able to perform research and write their report at graduate level, which is higher than the level of undergraduate students.

Campus students should work in groups of 2 or 3. Distance education students may work alone or in groups of 2 or 3. It is the responsibility of the student to form the group.

Proposal:

A one-page proposal is to be submitted by March 11th 2010, 5:00 PM. Proposals will not be accepted through E-mail, except for distance education students. Distance education students should submit their project proposal by the deadline through E-mail. The proposal should include the title and a short description of the intended project as well as the plans for obtaining information for the project. This includes all bibliography information. The students will be notified about the appropriateness of the project by March 23rd 2010.

Project Report Due Date:

The project has to reach Prof. Zeynep Çelik-Butler by May 4th 2010, 5:00 PM. The project report should be submitted as a hard copy. No electronic copies will be accepted, except for distance education students. Distance education students should submit their project report by the deadline through E-mail. NO EXTENSIONS WILL BE GIVEN. You may submit your reports before the deadline.


Project Report Format:
The project report should have these sections: Cover Page including title, name and contact information of the student, Abstract, Introduction, Description, Summary, and Bibliography. Minimum font size is 10 pts. You may use single or double spacing.
Grading Criteria:
1. Technical accuracy of the presented details.
2. Depth and completeness of the research performed.
3. Estimated amount of effort spent by the student.
4. Presentation quality (This refers to grammar, spelling, clarity, organization, etc).
5. The length and appropriateness of the bibliography.

Sample Project Reports are available for viewing.

NOTE: It is plagiarism to copy parts and sections of publications / previous project reports and present it as your work. The project report should be your work, made up entirely of your sentences. You may insert Figures and Tables from other publications only with appropriate acknowledgement in the Figure or Table Caption. Do not cut and paste equations or text. YOU MAY NOT USE REPORTS PREPARED FOR OTHER COURSES TO SATISFY THE REQUIREMENTS OF THIS COURSE.