EE5349: Introduction to Microelectromechanical Systems (MEMS) and Devices

Term Project Assignment

Fall 2003

The term project will make-up 30% 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.

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.

You should work in groups of 2 or 3.

Proposal:

A one-page proposal is to be submitted by October 23rd, 2003, 5:00 PM in class. Proposals will not be accepted 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 October 30th, 2003.

Project Report Due Date:

The project has to reach Prof. Zeynep Çelik-Butler by Thursday, December 4th, 2002, 5:00 PM. The project report should be submitted as a hard copy. Due to the large size of the class, no electronic copies will be accepted. NO EXTENSIONS WILL BE GIVEN.


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.

NOTE: It is plagiarism to copy parts and sections of publications and present it as your work. The project report should be your work, made up of entirely your sentences. You may insert Figures and Tables from other publications only with appropriate acknowledgement in the Figure or Table Caption.