

EE368b Computer Projects - General

- *This update supercedes all previous announcements!*
- Individually or in groups, 40-50 hours per person
- Project proposal required, new deadline: **November 3**
- Class-room presentations of projects: Dec 1-8
- Web submission of project report: deadline Dec 1, **no extensions!**
- Project is 50% of overall grade, with the following components:
 - Technical quality, significance, and originality of results 25%
 - Project report (Web) 12.5%
 - Class-room presentation 12.5%
- **No Midterm**, instead: Peer Reviews 25%



Project proposal

- Written project proposal can be submitted at any time, deadline: **Nov. 3**
- Submit by email to ee368b@ise.stanford.edu
- Proposal should contain:
 - Title
 - Name(s) and email address(es) of the student(s)
 - Description of the goals of the project and the work to be carried out (200-300 words).
 - Up to 3 references (optional)
- Acceptable projects will be approved on November 6.
- If project is not acceptable, a revision of the proposal will be requested.



Project group and topic

- Groups of 2-3 students are encouraged, individual projects are fine. Special permission needed for groups > 3.
- Check suggested topics under
<http://www.stanford.edu/class/ee368b/projects.html>
- Check journals and conference proceedings for ideas, e.g.,
 - IEEE Transactions on Image Processing
 - Proc. IEEE International Conference on Image Processing (ICIP)
- Check projects from other classes, see *<http://ise.stanford.edu/demos.html>*
- Don't be overly ambitious in your project goals!



Carrying out the work

- Make a work plan.
- Start early!
- Use ISE lab and/or your own computing resources.
- Design experiments with the outcome in mind.
- Always double-check the correctness of your implementation and results
 - Run experiments with obvious outcomes
 - Don't accept results that you can't explain.
- If you are uncertain, show intermediate results to TA.



Project report

- Should be written and submitted in html.
- 2000 words typical, 4000 words max., not including references.
- Include graphs, pictures, and references.
- Groups submit ONE report, with a break-down of who did what as an appendix to the report.
- Details of submission to be announced.
- Deadline: **Friday, Dec 1, 12 noon. No extensions!**



Class-room presentations

- Tentative dates: 12/1, 12/4, 12/6, 12/8
- About 10 minutes per project.
- Use transparencies or lap-top.
- For groups: choose ONE presenter.
- Practice and improve your presentation several times, using a small peer group.



Peer Reviews

- Two projects will be randomly assigned to each student for peer review.
- Goal: learn to critically evaluate the work of others and obtain detailed feedback about your own work.
- Review report 400-800 words per project, discussing its quality, significance, originality, and presentation, as well as its limitations.
- Reports will be graded.
- Reports are not the basis for grading of the reviewed project.
- Report will be anonymized and forwarded to project team.

