

**EE/CpE 423**

**Senior Design**

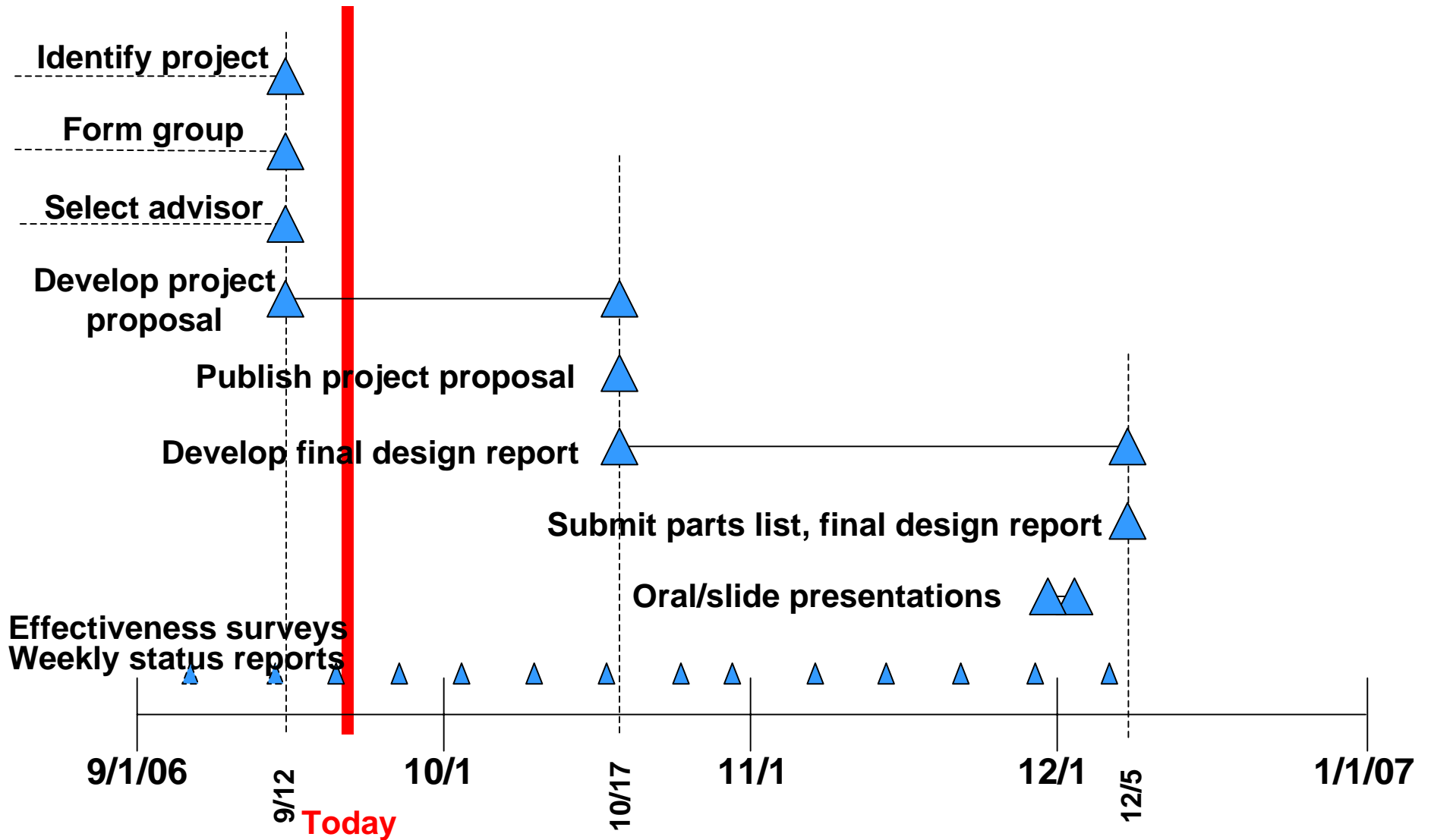
**Fall 2006**

**Class 4 – 9/19/06**

# Agenda

- Task schedule
- Group status
- Upcoming items

# Senior Design Tasks – Fall '06



# Project Status

Group #	Project	Team members	Advisor
1	Wireless Power Control	Derek Busico Brian Behr Katie Haskins Robert Mengert Robert Zienowicz	McNair
2	Electronic Scoring Archer	Vidya Rao Christopher Becker Joe Giunta	McNair
3	MIMO ComBlock Wireless Testbed	Randy Simat Jonathan Garcia James Hoogmoed Robert Leming	Tureli
4	Noise-cancelling windows	Megan Hayes Jake Stolarski Stanford Vogel	McNair
5	Intelligent Autonomous Search System-NOA (Navigation and Obstacle Avoidance)	Olorundamilola Kazeem Marie-Joan Dutreuil Eduardo Garcia	Meng
6	Intelligent Autonomous Search System –ESI (Embedded Systems Infrastructure)	Adam Duda Hoang Dang Matthew Jacoby Nor Azian Che Nazran	Meng

# Project Status

Group #	Project	Team members	Advisor
7	Location Estimation of Stationary and Mobile Users in Wireless LAN	Brian Chan Kevin Crowley Vadim Pinsky	Tureli
8	Unwired Cognitively Allocated Networking – Frequency Converter	Xiaoxu Zhao Danny Kwok Patrick McCabe Sean Schumer	Tureli
9	Unwired Cognitively Allocated Networking - Tunable Antenna & FPGA-based control	David Insley Ken Kolodziej Alex Gulagaci Aleh Khapalow Serge Ovchinnikov Wei Yang	Tureli
10	Emergency Communications Systems (ECS)	Mrugesh Patel Amit Desai Nirav Jhaveri Suresh Patel Bhavin Tailor	Man
11	Wireless Drifter	Chris Rollins Clayton Allen Victor Cordero Angel Georgiev Omar Chaudry	Yao

# Students Not in Groups

Tae Ha
Achal Pathak
Ricardo Slater
Gregoire St. Louis
Jamaal Watkins

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**Senior Design Day is 218 days away**

# If You're Still Looking for a Project Idea...

- Johnson&Johnson: embedded system client for remote blood glucose screening (joint project with Prof. Bernstein's CS class)
- Robotic fencing training coordinator (with ME senior design group – Prof. Zhenqui Zhu)
- More ideas at:  
[http://www.ece.stevens-tech.edu/~bmcnair/senior\\_design-06-07/problems.html](http://www.ece.stevens-tech.edu/~bmcnair/senior_design-06-07/problems.html)

# Group Churn

- Random movement of students between Senior Design groups reduces the chances for success as groups need to reassign tasks to entering and leaving members. In the limit, the group spends all of its efforts on this fruitless activity.
- In case you and your group have mutually decided that the association is absolutely not workable:
  - I need
    - Email from you requesting a change in groups
    - Email from the soon-to-be-former group leader and faculty advisor(s) agreeing to the change
    - Email from the soon-to-be-new group leader and faculty advisor(s) agreeing to the change
- Your final Senior Design grade will be based on a time-weighted average of the grades for the groups you were in
- If you must move, it is easier to do this sooner, rather than later.
- This year, we have two pairs of groups working on associated projects. If you decide that it makes sense to sever or merge the groups, do so **soon**

# Other things you should start thinking about

- Project web site
  - Get it up and working soon so you can refine it later when it will be graded.
  - Must include all group deliverables (but NOT group effectiveness reports)
  - Research and other information links
  - All content must be on panda.ece.stevens-tech.edu
  - Each group will have a login on panda in the form “grp39”
  - If you are developing or hosting at another site, the **other** site must mirror panda content (i.e., do not link panda site to your off-site content - we can't archive off-site content)
- Final presentation
  - As you develop your project concept, think how you will present the idea
  - Presentations will be scheduled at the end of November/beginning of December
  - More details on presentation will be provided later – assume ~15-20 minutes; all group members must be present.

# Other information

- Upcoming class meeting topics – outside speakers:
  - Today: Barry Bunin: “What to do when the plan doesn’t work”
  - 9/27?? Helena Wisniewski, VP Institute Technology Initiatives:  
Tips on starting a business/project
  - 10/24 Linda Scanlon, Stevens Library:  
Conducting on-line research
  - 10/31 Ralph Selitto BE(ME)'71, Esq., McCarter-English:  
Keeping engineers from shooting themselves in the foot with IP

*Along time*  
*in an organization*  
*far, far away...*

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*in an organization*  
*far, far away...*

**Actually, 25 years and 25 miles**