

**EE/CpE 423**

**Senior Design**

**Fall 2004**

**Class 6 – 10/05/04**

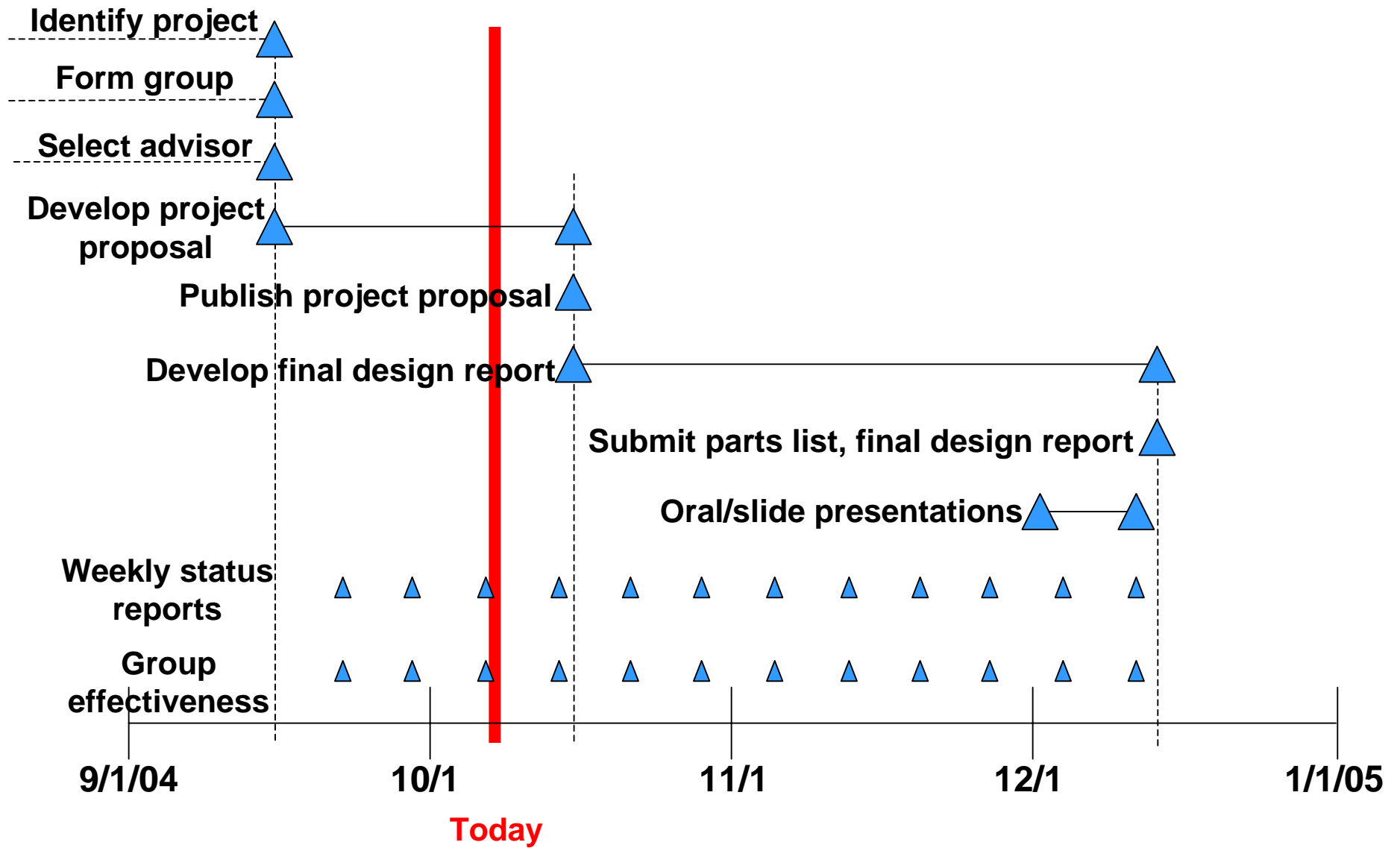
# Agenda

- Announcement
- Task schedule
- Group status
- Upcoming items

# Announcement

- No class next week – Monday schedule due to Columbus day
- Weekly reports/group assessments are still due on **Monday**

# Senior Design Tasks – Fall '04



# About Deliverables:

- Groups that have descriptive names for attachments are most likely to get (extra) credit for their work. E.g.,
  - Group37\_Week4\_WeeklyReport.doc is much more useful than Form.doc
  - Group37\_Week7\_Effectiveness.doc is much more useful than Form.doc
- Sending two attachments in the same email (effectiveness report and weekly report) increases the chances that credit for one will be missed. Besides, the distribution list for the two is different.

# Senior Design Groups/Projects

| Group | Title   | Members  | Advisor    | Sponsor     |
|-------|---|--|------------|-------------|
| 1     | Land Mine Detection   | Mumma, Castro, Peart,<br>Girard, Wang          | Tureli     |             |
| 2     | The HeliOS Project: Sensor System   | Hakusa, Lem, Pulla,<br>Schmidt                 | McNair     |             |
| 3     | The HeliOS Project: Guidance and Logic                                      | Kennedy, Khan, Kwok,<br>Poulos, Wahba          | McNair     |             |
| 4     | Stevens Web Wash  | O'Neill, DeLuca, Damato,<br>Hetherington       | <b>Man</b> |             |
| 5     | Spectrum Sharing Through Multidimensional Reuse                             | Patel, Parekh, Parikh,<br>Shah, Srinivasan     | Tureli     |             |
| 6     | Continuous roll film scanner for 35mm and medium format film                | Chowdhury, Camino,<br>Outram, Marmolejos       | <b>Man</b> | Lektra Labs |
| 7     | Real-time Adaptive Traffic Control Systems and Analysis of Traffic Patterns | Teotia, Gonzalez, Guda,<br>Sesti, Singh        | Ghosh      |             |
| 8     | Wireless Drifter  | Koshy, Iwai, Rozanski,<br>Taormina, Yun        | Yao        |             |
| 9     | Virtual Enterprise Network  | Philipose, Gonzalez,<br>Hernandez, Jaime, Saul | <b>Man</b> |             |
| 10    | RFID Checkout   | Schatz, Clarke, Kukis,<br>Svihra, Szlezak      | <b>Man</b> |             |

# Senior Design Groups/Projects

| Group | Title                                      | Members                                    | Advisor      | Sponsor |
|-------|--|--|--------------|---------|
| 11    | Failure Detection System for Moving Bridge | Ho, Drobik, Martin, Uku                    | Meng         |         |
| 12    | Remote Surveillance Vehicle                | Garrison, Cho, Civick, Ganz, Strein        | <b>Man</b>   |         |
| 13    | Linux video conferencing                   | Firner, Siegwarth                          | <b>Man</b>   |         |
| 14    | Iris Recognition System                    | Mich, Schweizer, Wan                       | <b>Man</b>   |         |
| 15    | DMX-to-Ethernet                            | Bennett, Evans, Santoro                    | Meng???      |         |
| 16    | Multinetwork Roaming using VoIP            | Halli, Havens, Herrera, Toledo             | <b>Man</b>   | WiNSeC  |
| 17    | Voice Activated Keyless Entry Watch        | Bianchi, Cai, (Jenson) George, Sukharan    | Chandramouli |         |
| 18    | Mortar Sensor System                       | McCaughey, Acosta, Guanlao, Henry, Vo      | Meng         |         |
| 19    | R.I.N.G – Ring Identifier Network Grounds  | Battersby, (Milia) George, Rajan           | <b>Man</b>   |         |
| 20    | RF Transceiver Testbed for ISM Bands       | Campos-Giraldo, Criss, Garces, Kerr, Singh | Yao          |         |

# Senior Design Groups/Projects

| Group | Title  | Members   | Advisor      | Sponsor |
|-------|--|---|--------------|---------|
| 21    | Remote Diver   | Sosinsky, McAvoy,<br>McKnight, Price,<br>Rogers                                     | Tureli       |         |
| 22    | Lifesaver  | Clark, Cummings,<br>Podgorsek, Stark  | Li           |         |
| 23    | Spectrum Analyzer for Dynamic<br>Access (SADA)         | Bossola, Thakker,<br>Huang, Bautista, Tiu   | Yao          |         |
| 24    | GameBoy Advance GPS Cartridge                          | Lutz, Creswick,<br>Mikola(CS),<br>Ramudit(CS),<br>Pham(CS),<br>Gengler(CS), Kim(CS) | Meng         |         |
| 25    | (VACS) Voice Activated Control<br>System               | Baptiste, Best,<br>Mendieta, Oppong,<br>Patel, Telford                              | Chandramouli |         |
| 26    | Secure Entry System                                    | Klucsarits, Abraham,<br>Drozd,<br>(Jason) George                                    | Chandramouli |         |
| 27    | Control Systems and Sensor<br>Packages (CSSP) for UAVs | Haydu, Hayman,<br>Kramick, Lontoc   | Blicharz     |         |
| 28    | Perfect Popcorn Popper                                 | Juell, Marincas, Rower  | Boesch       |         |
| 29    | Innertchill System Cooler                              | Swartout, Micchelli,<br>Dullas(ME), Furey(ME)                                       | Mohamed      |         |
| 30    | EE/CSE 423:<br>Senior Design<br>Fall 2004              |   |              |         |

# Senior Design Students Not Yet Known To Be In A Project Team

5 students not yet in groups

|              |           |        |
|--------------|-----------|--------|
| Ceanfaglione | Cheung    | Hashmi |
| Karshner     | Koscinski |        |

# Who is likely to advise another group?

| Faculty Member | Number of groups |         |         |
|----------------|------------------|---------|---------|
|                | 2004-5           | 2003-4  | 2002-3  |
| Al-Jaroodi     | 0                | -       | -       |
| Boesch         | 1                | 0       | 1       |
| Chandramouli   | 3                | 1       | 3       |
| Comaniciu      | 0                | -       | -       |
| Ghosh          | 1                | 3       | 6       |
| Heffes         | 0                | 0       | 1       |
| Kintala        | 0                | -       | -       |
| Li             | 1                | 1       | 0       |
| Man            | 9                | 7       | 8       |
| McNair         | 1-2              | 7       | 10      |
| Meng           | 4 (3?)           | -       | -       |
| Mohamed        | 1                | -       | -       |
| Subbalakshmi   | 0                | 0       | 1       |
| Tewksbury      | 0                | 1       | 3       |
| Tureli         | 3                | 1       | 1       |
| Yao            | 3                | 2       | 4       |
| Blicharz       | 1 (UAV)          | 1 (AUV) | 1 (AUV) |

Tracking a faculty member:  
 1- find their courses on registrar's web site  
 2- find when (and where?) class meets  
 3- camp outside their office (class?) before/after class

# Other information

- Upcoming class meeting topics – outside speakers:
  - Linda Scanlon, Stevens Library: Conducting on-line research
  - **Dominik Hepp BE-EE '03 (ME-EE '05?): A perspective on Senior Design (ECE PC board fabrication facilities)**
  - Don Ciolini, Bell Labs (retired): A view from the trenches