

January 27, 2011

# ENGR110/210

## Perspectives in Assistive Technology



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Professor Drew Nelson



Harpreet K. Sangha

# Questions, Comments, Thoughts?



# Individual Projects

- Individual projects:
  - Pursue a paper design of an assistive technology device
  - Research an assistive technology topic
  - Interview an individual with a disability
- Which option did you choose?
- Need help identifying a device, topic, or interviewee?

# Room 36 Start-up Process

## How to use the lab:

1. Sign up on Webshop (<http://webshop.stanford.edu>)
2. Attend a 10 minute safety and lab orientation at Room 36 (look for any open Room 36 session on Webshop)
3. Pay fee: 1 qtr (\$40), 2 qtr (\$70), or 3 qtr (\$90). Day passes are available for \$10
4. Hours (generally): 8am-noon, 1pm-5, 7pm-11, with no evening session on Friday or Saturday
5. Note: Students who have a valid full PRL quarter pass can use Room 36 for no additional fee.

# Upcoming Events

Both on Friday, February 4<sup>th</sup>

- Product Realization Network Mentor / Mentee Lunch  
Noon – 1:30pm  
**Y2E2, Room 299**
- ACM Tech Talk  
Alan Brightman & Victor Tsaran – Yahoo  
**Yahoo Accessibility Innovations**  
6-8pm in Gates 104  
(one of three presentations)

# BrailleNote



**16 cell - \$4600**

**32 cell - \$6400**

# Letter of Recommendation

Address applicant's ability to:

- pursue graduate studies and research
- work with peers, supervisors, and subordinates

Comment on applicant's:

- teaching potential
- outstanding abilities or talents
- liabilities or weaknesses
- oral and written **communication skills**
- character

# Where will you be?



In 5 years

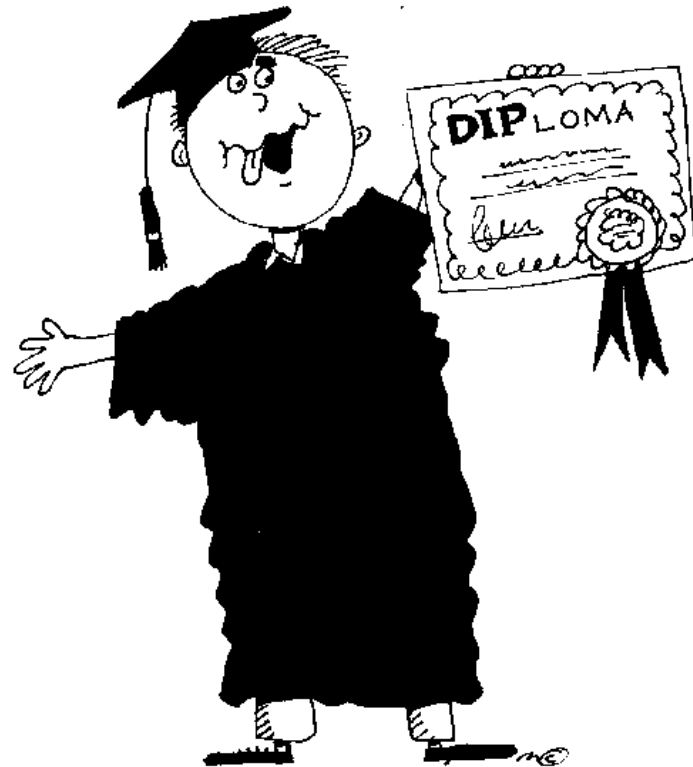
In 2 years

Next year



# Skills important now, less important later

- Knowledge acquisition, retention, and demonstration
- Test-taking
- Grades
- Degree
- University



# Skills important later

- Experience
- Critical thinking
- **Communication skills**

# My Plan

- Engineer – EE and Biomed degrees
- Public speaking and writing didn't seem like important skills

Situations where good communication skills would be beneficial

# Situations where good communication skills would be beneficial



When you want to show others how smart you are

# Situations where good communication skills would be beneficial



When your class requires you to take part in discussions, present your team's project, and write project reports

# Situations where good communication skills would be beneficial



When you want to convince your professor that you deserve an A

# Situations where good communication skills would be beneficial



When you want your advisor to write a good recommendation for you



# Situations where good communication skills would be beneficial



When you are interviewing for your first job  
or competing for a promotion

# Situations where good communication skills would be beneficial



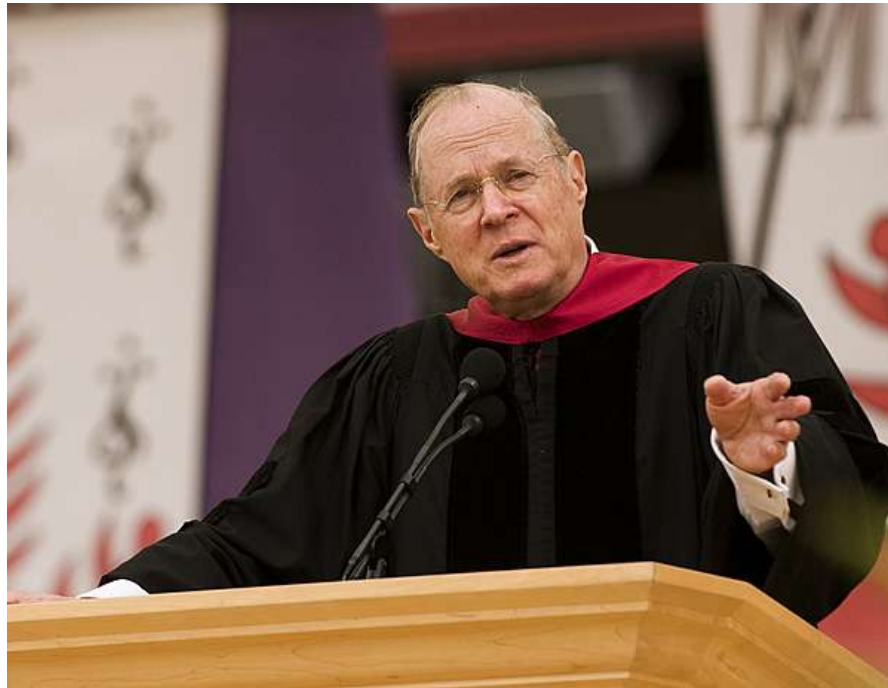
When you are teaching a course or presenting your research

# Situations where good communication skills would be beneficial



When you are appearing on 60 Minutes

# Situations where good communication skills would be beneficial



When you are giving Stanford's commencement address

# Situations where good communication skills would be beneficial



When you are giving your Nobel Prize acceptance speech

# Situations where good communication skills would be beneficial



When you are participating in a presidential debate

# Situations where good communication skills would be beneficial



When you are giving the State of the Union address



You'll never know what opportunities  
will come your way or where you will  
end up



# Next Thursday



Richard D. Steele, PhD  
**The Lingraphica - An Assistive  
Technology for Persons with  
Aphasia**

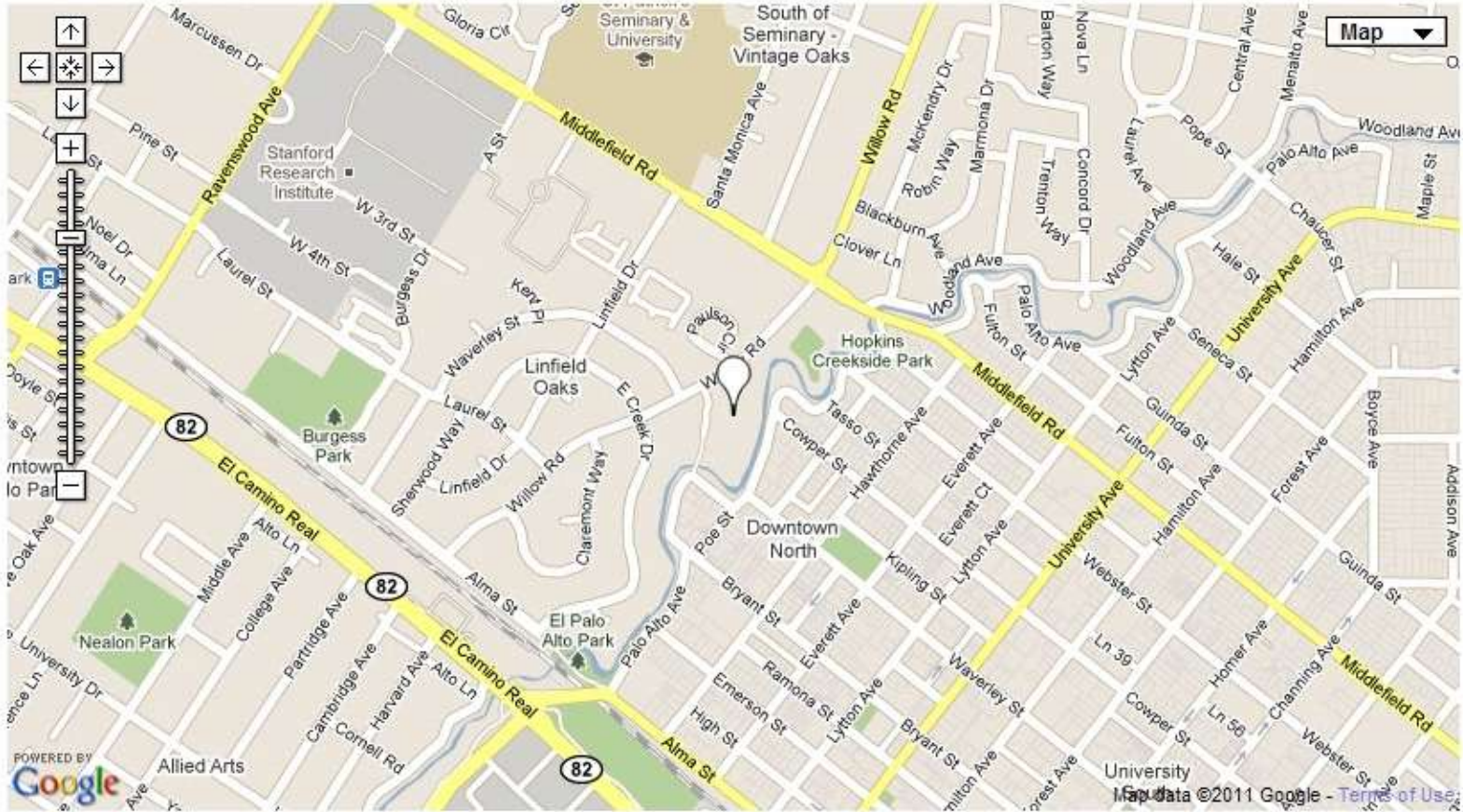
# Next Tuesday



## Steve Cousins **Tour of Willow Garage**

- Signup sheet
- Driver and passenger sign up sheets
- Maps

# Willow Garage



# Today



William A. Gerrey, BSEE  
**Tools and Techniques for Individuals  
with Visual Impairments**

# Adjourn

