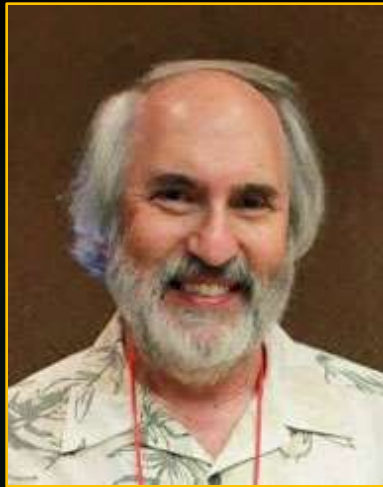


January 22, 2019  
Perspectives of Stanford Students with a Disability



# ENGR110/210

## Perspectives in Assistive Technology



David L. Jaffe, MS  
Instructor

**13**  
**Years**

# Questions?







# Team Projects

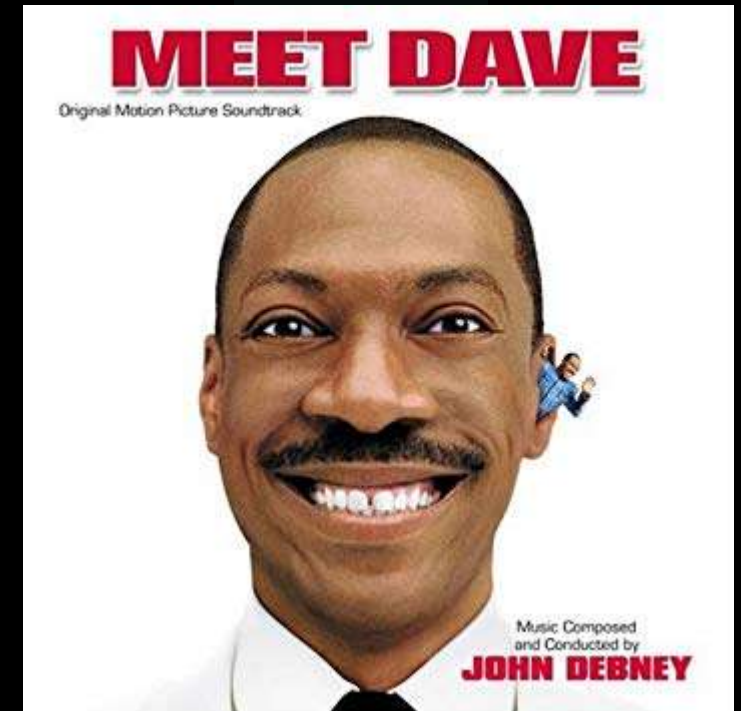
- ▶ Purchase PRL Shop passes
- ▶ Attend safety session
- ▶ Report team project progress
- ▶ Connect with your project suggestor
- ▶ Understand the problem
- ▶ Meet with Dave



# Benefits of meeting with Dave



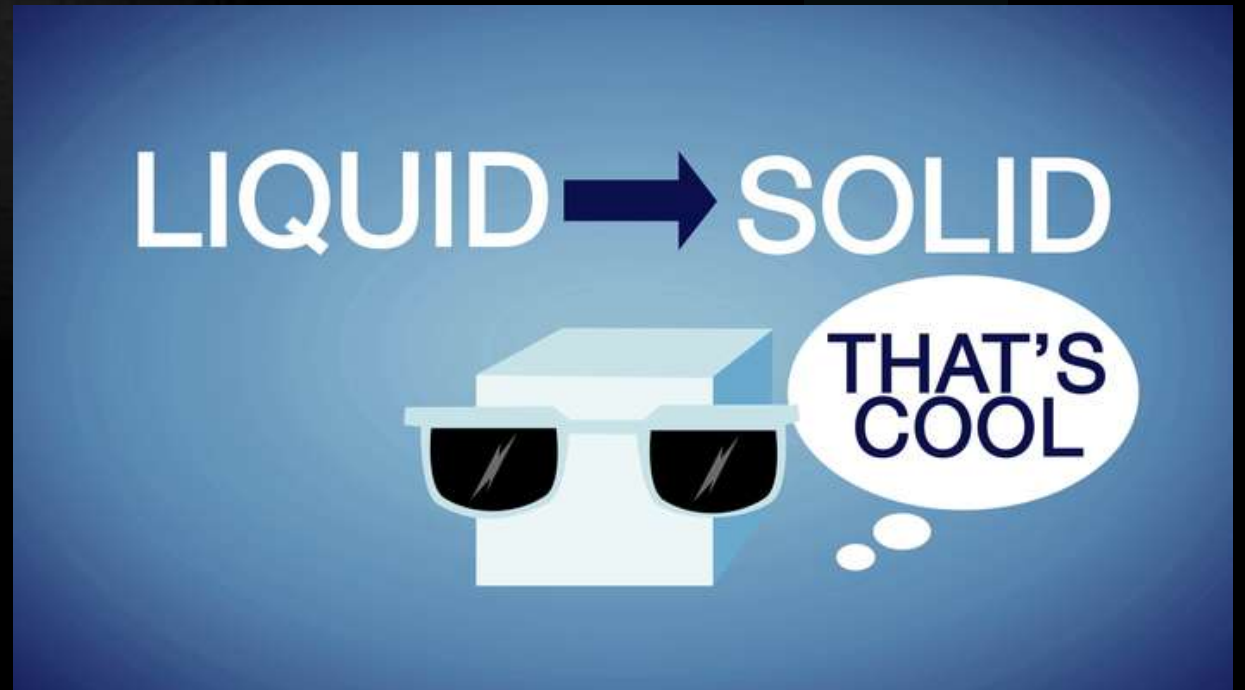
- ▶ Make up missed lectures
- ▶ Gain valuable perspectives on your Team or Individual Project
- ▶ Optimize your course and project experience
  - ▶ Receive best grade
  - ▶ Minimize fabrication time
  - ▶ Maximize prototype functionality
- ▶ Get a chocolate chip cookie



# Question about temperature



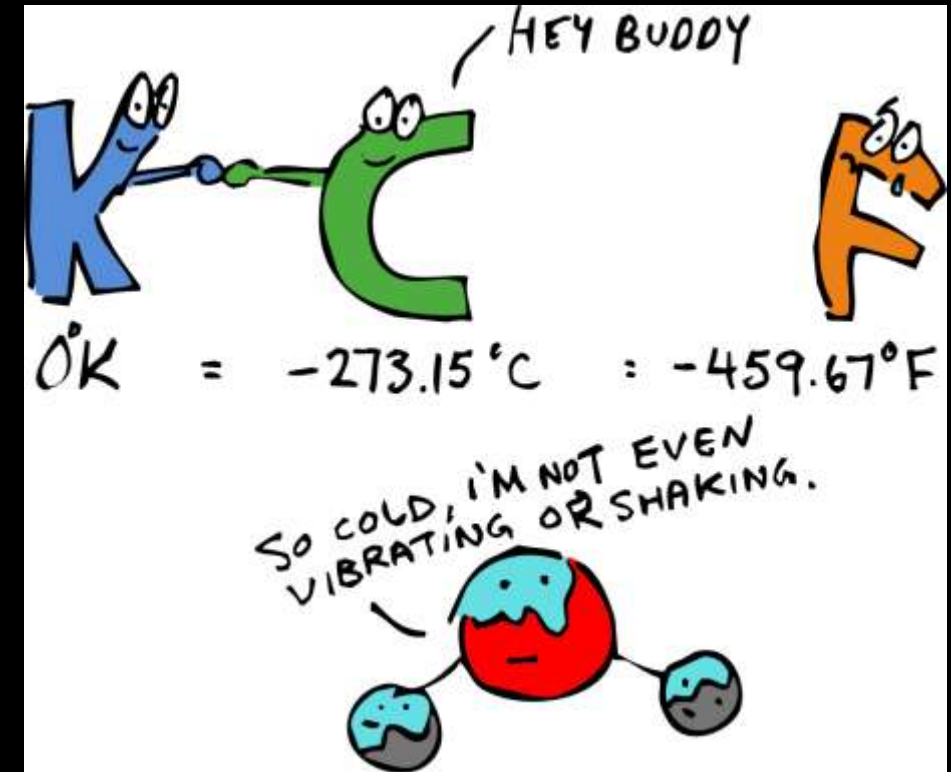
- ▶ **What is half the boiling point of water?**
- ▶ The boiling point of water is  $100^{\circ}$  Celsius /  $212^{\circ}$  Fahrenheit
- ▶ Half of 100 is 50
- ▶ Half of 212 is 106
- ▶ But  $50^{\circ}$  C =  $122^{\circ}$  F
- ▶ And  $106^{\circ}$  F =  $41^{\circ}$  C
- ▶ What's wrong here?



# Question about temperature



- ▶ **You must reference Absolute 0**
- ▶ Absolute 0 =  $-459.67^{\circ}\text{F}$  and  $-273.15^{\circ}\text{C}$
- ▶ Use Kelvin where  $0^{\circ}$  is indeed zero temperature
  
- ▶ Boiling =  $373.15^{\circ}\text{K}$  =  $100^{\circ}\text{C}$  =  $212^{\circ}\text{F}$
- ▶ Half =  $186.5^{\circ}\text{K}$  =  $-86.6^{\circ}\text{C}$  =  $-124^{\circ}\text{F}$



# How we judge others

- ▶ race
- ▶ religion
- ▶ gender
- ▶ gender identity
- ▶ skin color
- ▶ appearance - glasses
- ▶ clothing & shoes
- ▶ anatomy - height, weight, nose, eye color
- ▶ university attended
- ▶ year in school
- ▶ major
- ▶ political affiliation
- ▶ sport team fan
- ▶ disability
- ▶ age
- ▶ speech / accent
- ▶ medical status
- ▶ immigration status
- ▶ employment status
- ▶ fame / notoriety
- ▶ criminal record
- ▶ driving record
- ▶ place of residence
- ▶ athleticism
- ▶ record of achievement
- ▶ material possessions - car, house





# Dr Martin Luther King Jr.



How might the teachings of Dr Martin Luther King Jr. relate to people with disabilities and older adults?

“I have a dream that **my four little children** will one day live in a nation where they will **not be judged by the color of their skin** but by the **content of their character.**”



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“I have a dream that **my four little children** will one day live in a nation where they will **not be judged by the color of their skin** but by the **content of their character.**”

*Disability and advanced age do not represent weaknesses of character.*



# Thursday, January 24th



Issues of Human Interface Design

Gary M. Berke, MS, CP, FAAOP  
Stanford Medical Center



# Today



## Perspectives of Stanford Students with a Disability



David Stentiford, Trisha Kulkarni, Zina Jawadi,  
Rachael Wallach, and Evan Feinberg,

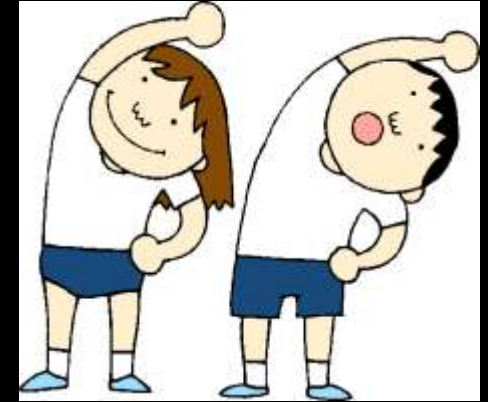
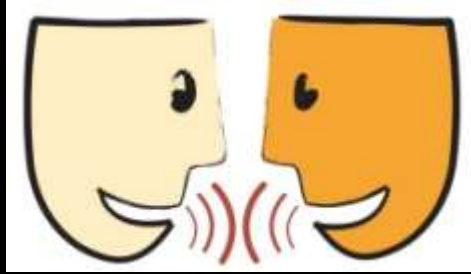


# Short Break



# Break Activities

- ▶ Attendance sheet
- ▶ Stand up and stretch
- ▶ Take a bio-break
- ▶ Text message
- ▶ Web-surf
- ▶ Respond to email
- ▶ Talk with classmates
- ▶ Reflect on what was presented in class



**THANK YOU FOR**



**YOUR ATTENTION.**

