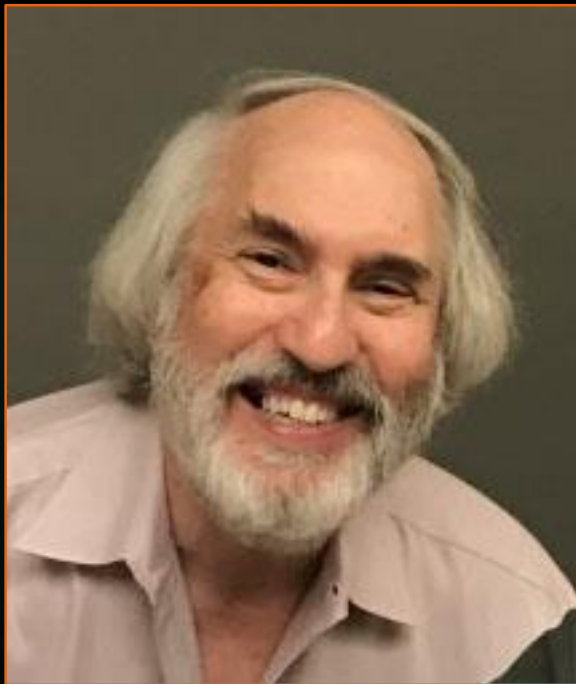


February 10, 2022
Assistive Robotics



ENGR110/210

Perspectives in Assistive Technology



David L. Jaffe, MS
Instructor

16
Years

Questions?



Attendance Sheet & Scoring Form



For all students:

- Attendance Sheet



For everyone:

- Class Session Evaluation Form



01a ENGR110/210 Enrolled Student Attendance List
January 7, 2020

Email address @stanford.edu	Name of Enrolled Student	Email address @stanford.edu	Name of Enrolled Student
	Ahrens, Wilson Leonardo		Alvares, Alex
	Ali, Nicole		Alvares, Chansol Gyeong
	Alvares, Carlos		Chen, David Bailey
	Carver, Belle Abigail		Fanelli, Susann Sofiane
	Cheng, Grace Helen		Forster, Orana Claudia
	Chen, Kelly		Frank, Hank
	Forrest, Natalie Jordan		Heck, Kelly Lauren
	Fran, Michael Michael		Huan, Kevin
	Grady, Alexander Russell		Isaacs, Olga Compton
	Grimm, Abby Grace		Shahmoradian, Amir
	Guptaswamy, Shweta		Silver, Kelly Francis
	Haley, Madison Catherine		Ts, Mitchell Matthew
	Hickmiller, Nicole		Sprague, Trevor Alexander
	Hurley, Daniel Patrick		Stevens, Sidney Alexis
	Keller, Jon		Taylor, Lauren Rosalie
	Kennedy, Janelle Sarah		Toner, John Edward
	Korhonen, Leena Marjaana		Walden, William Eric
	Kumar, Manish Pooja		Wang, Colton
	Lambert, Chris Abby		
	Lang, Tony		Students Not Listed Above
	Larson, Allison		
	Leahy, Rachel Bradford		
	Li, Xiumin Jin		
	Li, Xian Guan Ming		
	Martin-Benavente, Christina Itzabell Alondra		
	Martinez, Victoria Elizabeth		
	Milwani, Chaitan Geyan		
	Mitchell, Meghan Shea		
	Mitchell, Liz		
	Moore, Harry		
	Morgan, Drake		
	Murphy, Zoe Taisandra		

Attendance Sheet

Use a pen with a legible font

Perspectives in Assistive Technology - 2022

Class Session Evaluation Form

Hand in this form

Lecture 05b: Assistive Robotics - Monroe Kennedy III, PhD

Are you an enrolled student? - Yes - No

The purpose of this questionnaire is to help the teaching team assess today's class session. Please rate the following issues:

Speaker's overall presentation: speaking volume, understandability, ease of following concepts and arguments, clarity of explanations, quality of PowerPoint slides, use of supporting media (videos) and presentation aids (Show&Tell items), stage presence, knowledge of topic, preparedness, presentation structure, organization, pace and management of allotted time, opportunity for questioning and class engagement, provided good answers, examples, and demonstrations

Presentation content: topic interest, relevance to the broad scope of assistive technology, presentation of new information, appropriate level of detail and technical content, overall value of presented material

Submit your comments, questions, and suggestions, especially if you found portions of the lecture to be particularly ☺ or ☹. Supply your name if you want a response and use the back of this form if you need more room.

What one item did you hear, see, or learn that was new, surprising, especially interesting, or provided a new perspective?

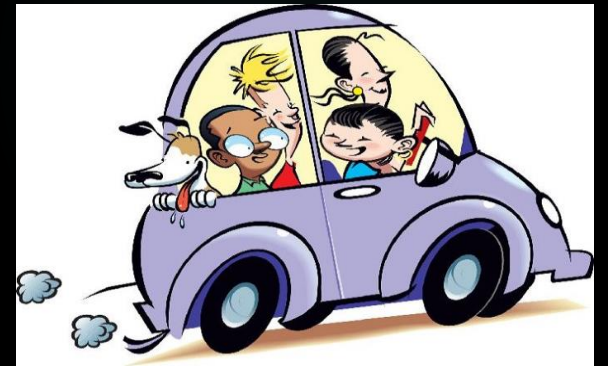
How much did you learn from today's lecture? - a great deal - a lot - a moderate amount - a little - nothing
Did you base your scoring of student project teams' mid-term presentations by comparing one vs others? - yes - no
When was the last time you talked to your parents? _____

Class Session Evaluation Form



Upcoming class sessions

- ▶ **VA Palo Alto Health Care System**
 - B. Jenny Kiratli, PhD & Jeffrey P. Jaramillo, DPT
 - Tue, Feb 15th
- ▶ **Virtual Assistive Technology Faire (by Zoom)**
 - Thu, Feb 17th
- ▶ **The Design and Control of Exoskeletons for Rehabilitation**
 - Katherine Strausser, PhD
 - Tue, Feb 22nd



Reminder - Work with Diligence



- ▶ Time is your most precious resource
- ▶ 3.5 weeks until End-of-term Project Presentations - Tue, Mar 8th
- ▶ List remaining activities



Students working on Team Projects

Mid-term Report



- ▶ **Due Tuesday, February 15th**
- ▶ **Goal: short, concise, well-written, and highly readable report with few grammatical and spelling errors.**
- ▶ Mid-term report - 10 to 15 pages of narrative - text and images
- ▶ Suggested format different for fabrication vs non-fabrication projects
- ▶ Include sketches and photos
- ▶ Report Writing Tips documents **suggested** report features

Tuesday, February 15th



Mid-term Reports Due

Read Instructions and Tips:

- ▶ [Mid-term Assignment Webpage](#)
- ▶ [Suggested section titles](#)
- ▶ [Report writing tips for each section](#)
 - ▶ [Scanning sketches](#)
 - ▶ [Adding captions](#)
 - ▶ Adding bibliographic references



Students working on team projects

Project Activities

- ▶ Continue to work with project suggestor
- ▶ Fabricate, test, analyze, redesign, refine prototypes
- ▶ Submit progress reports, schedule meetings with Bennett or me



Students working on Individual Projects



- ▶ **Continue to meet with me or Bennett to discuss project progress**
- ▶ **Send progress reports**
- ▶ Submit project name
- ▶ Contact me if you have questions about your project direction
- ▶ Project presentations:
 - ▶ Week 9
 - ▶ Outside of class

10 Commandments of Making



Adam Savage took a few minutes on Sunday, May 18th at the 2014 Maker Faire Bay Area to share what he feels are the **10 Commandments of Making**. Braving the somewhat precarious elevated stage of the crowd favorite Life-Sized Mousetrap, Adam addressed the audience with bits of wisdom and jewels of experience. It was obvious from the laughter that many of these insights and observations struck close to home.

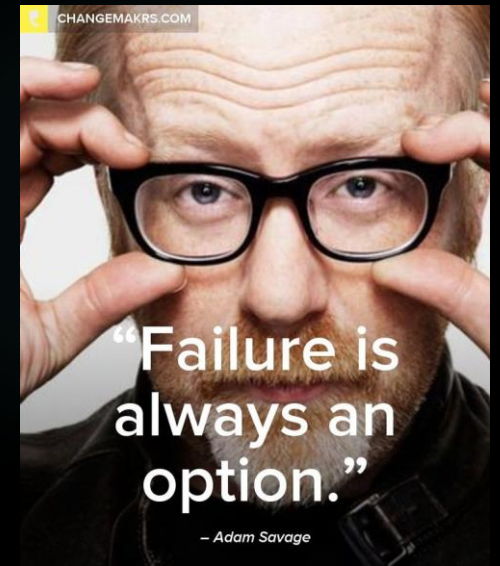


10 Commandments of Making



Here is the short version of the commandments according to Adam:

1. Make something
2. Make something useful
3. Start right now
4. Find a project
5. **Ask for help, advice, and feedback**
6. Share
7. Recognize that discouragement and failure is part of the project
8. Measure carefully
9. **Make things for other people**
10. Use more cooling fluid!



Tuesday, February 15th



VA Palo Alto Health Care System

B. Jenny Kiratli, PhD & Jeffrey P. Jaramillo, DPT
Director of Clinical Research & Physical Therapist
SCI Center at VA Palo Alto Health Care System

Today



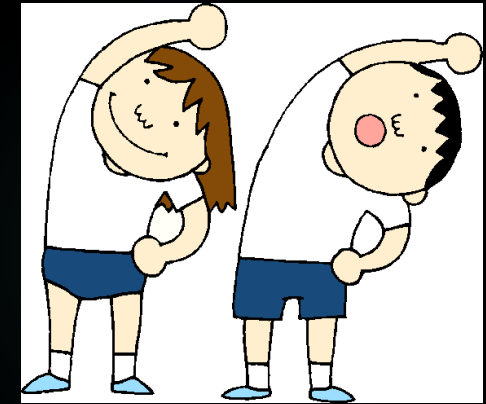
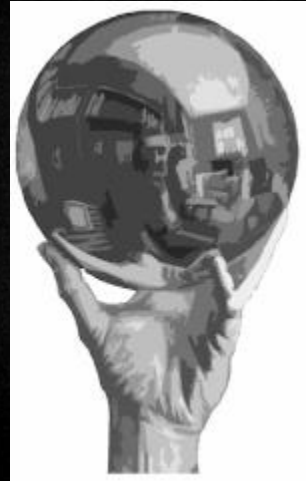
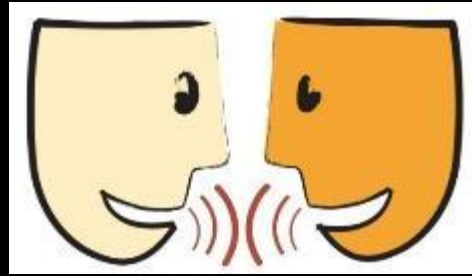
Assistive Robotics

Monroe Kennedy III, PhD

Assistant Professor of Mechanical Engineering and, by courtesy,
Computer Science - Stanford University

Activities

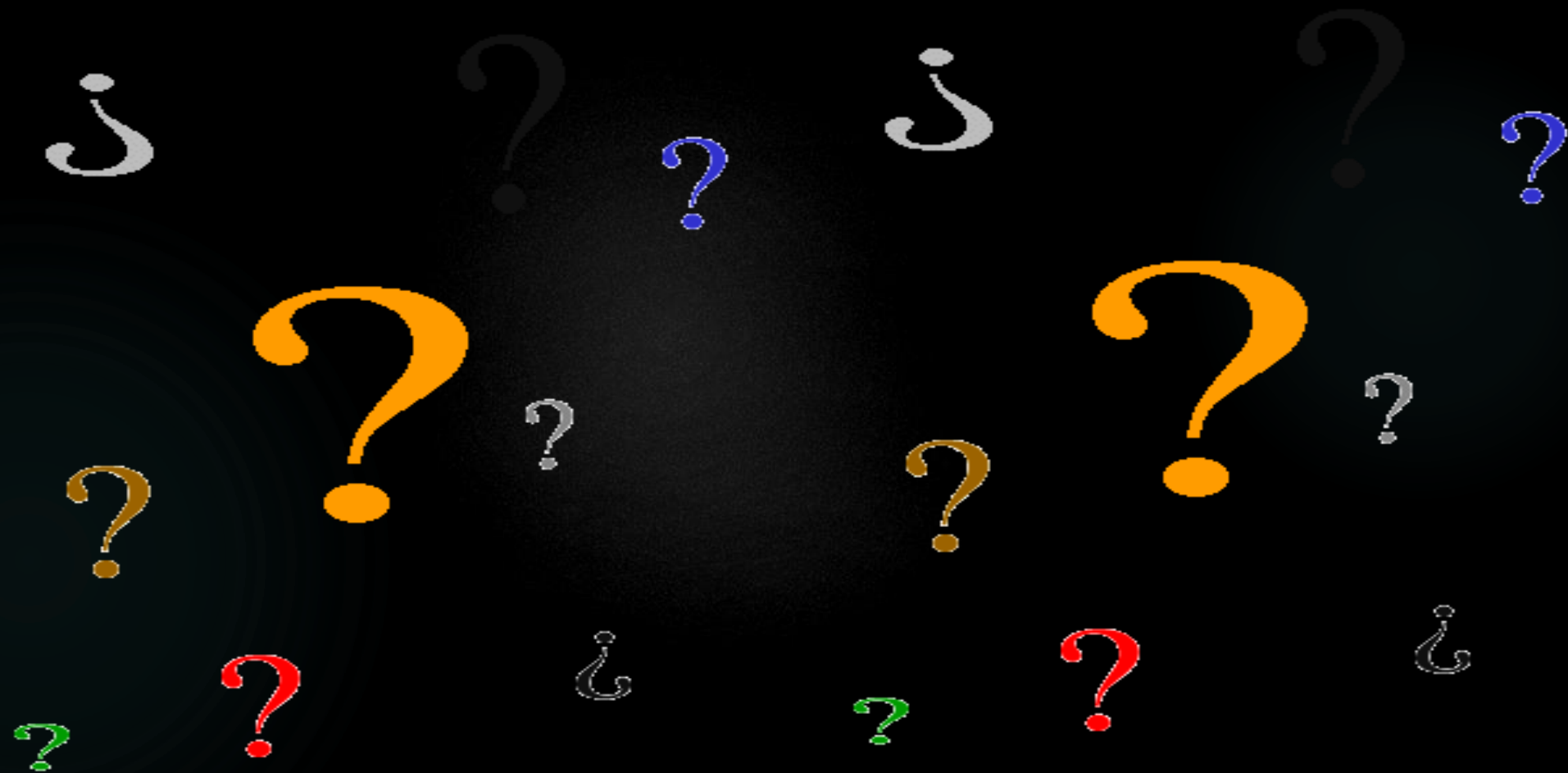
- ▶ Attendance sheet
- ▶ Evaluation Form
- ▶ Stand up and stretch
- ▶ Take a bio-break
- ▶ Text message
- ▶ Web-surf
- ▶ Respond to email
- ▶ Talk with classmates
- ▶ Reflect on what was presented in class



Short Break

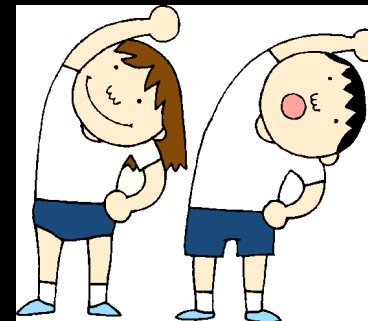
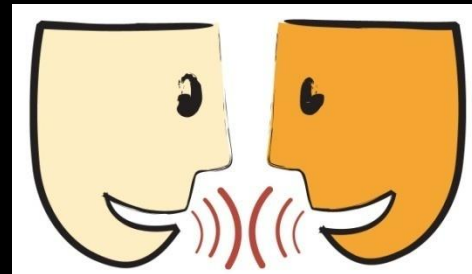


Questions?



Break Activities

- ▶ Sign attendance sheet
- ▶ Grab a cookie
- ▶ Stand up and stretch
- ▶ Take a bio-break
- ▶ Text message, web-surf, email
- ▶ Talk with classmates
- ▶ Reflect on what was presented in class



Adjourn



class dismissed



Laptops Galore



Time for Questions?



End the class

