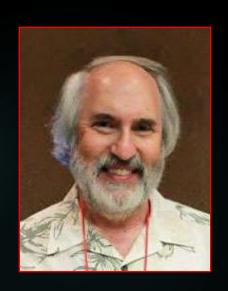
#### February 16, 2017



## ENGR110/210 Perspectives in Assistive Technology



David L. Jaffe, MS
Instructor



# Questions, Comments, Suggestions, or Concerns?







Please notify me of your comments or suggestions or concerns so I can address and correct them before the end-of-term course evaluation.

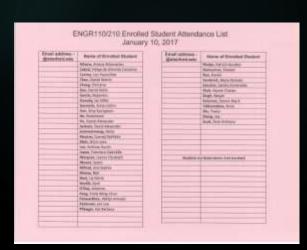
# Attendance Sheet, Evaluation Form, and Meet with Dave Signup

#### For all students:

- Attendance Sheet
- Meet with Dave signup Teams or individual students

#### For everyone:

Team Project Presentations Evaluation Form



After cl	s outside Thornton 110 uss in Thornton 120 Peterson Building, Room 113
Date & Time	Enter Yearn Name: & Specify 13 minute Sess Most
Wedninday - January MES	100000000000000000000000000000000000000
Morning - Editory - III Mary	
Witerman - 1.00yer - A.83am	
Thursday - Annuary 19"	
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After class - form	I i

	Mid-Term ENGR	i Student Ti 110/216: Perspe	eam Project P	resem echnolo	tations 9)
	Please RV out with a pe	n. Thursday	February 18, 2017		Please write legibly.
	I with Disablett,	D - fiscally mumber,	☐ - community member,	13 - other	
The office	e been addressing problem eseanth, biginstorn, design e seaching learn would appr you. Please had the criteria bly as your comments will b	i, fabricale, and tast a sciete your assistance below and automit yo	prolotype device or softwi e in judging the quality of th ur scores, suggestions, are	ere to reset es studients	an identified problem, project and presentation
	The student teams' present	tations absold include	the following elements:		
	<ol> <li>identification and deter</li> <li>Research on existing as</li> <li>Brainstorm activities of</li> <li>Description of top designance</li> </ol>	talement, and magnit suggestors and users mination of need stations and discussifi- ges: technical faceline on, sethin considerall a and status, prototyp	who would benefit from a r in of their limitations allon of design concepts or by, engineering difficulty, en	onsidered a direated con	st, user screptance.
	Judge the overall quality of	the presentation, dea	ign process, prototyped oo	mospts in Th	e following areas:
	Delivery: 0-low the sour	s presented   - profess	cenalism, archusiasm, com	viction, carri	Idence, energy, valume
	Process (Flow the team brainstormed & prototype	addressed the problem	n) - protiem information, bar	okground rea	stquorez rglesti, chesa









## Mid-Term Student Team Project Presentations Please fill out this form legibly with a pen

Don't evaluate your own team

	Please fill out with a pe	n. Thurs	pectives in A day, February 1	6, 2017		Please write le	gibly.
	I amc □ - a student,	☐ - faculty memb	oer, 🗆 - commun	ity member,	🗆 - other: _		
have to re The effor	nk you for attending this ye been addressing problem research, brainstorm, design teaching team would appn fa. Please read the criteria bly as your comments will t	is experienced by it, fabricate, and to eciate your assist below and subm	individuals with di est a prototype dev ance in judging the t your scores, sug	sabilities or of rice or softwar quality of the gestions, and	der adults a e to meet a students' p	nd have been v n identified prob roject and pres	vorking ilem. entation
( )	The student teams' present	tations should inc	ude the following	slaments.			
7	Introduction to project a     Background, problem s     Interviews with project s     Identification and detern     Research on existing sc     Brainstorm activities: de     Description of top design     functionality, performan     Current project activities     Plans for the remainder	tatement, and ma suggestors and us mination of need oblitions and discu- escription and visit riss: technical feas ce, safety considers and status, protest	gnitude of problem sers who would be assion of their limits salization of design shilty, engineering arations, tradeoffs,	nefit from a so ations o concepts con difficulty, esti etc	nsidered and mated cost,	d prototypes bu user acception	ilt ce,
	Judge the overall quality of	the presentation,	design process, p	rototyped con	cepts in the	following areas	
	Delivery: (How the team presented) - professionalism, enthusiasm, conviction, confidence, energy, volume						
	Process: (How the team brainstormed & prototype			ormation, back	ground rese	arch, design co	ncepts
	Presentation: (What the	team presented) -	clarity, organization	, and complete	oness of the	information pres	ented
	Design: (What the team ) it will meet the user's not		ity, originality, fund	tionality of the	design conc	ept(s) and the li	elihood
	Overall: (Overall score) -	combined impress	sion of presentation	and project			
F	Please use these metrics:	S = Excellent Top 10%	4 = Very Good	3 = Good Middle	© = Fair Botom 25%	D = Poor Botom 10%	
. 1	Feam Presentation order						
34567	Dancing Our Way to H Sock it to Me! - Add-a- Plug and Play - Plugs f Le Joy Masters - Magis Robotikids - Art Tools i Legtsetic - Orthotic Re! Nearpod X - Authority All the Lights - Magica	sock Project or Molly Project cal Bridge Playgro Project cound Shock Proj Grade School Les	ound Project ect ssons on Disability	and/or Assist	ive Technol	ogy	

Please provide your comments and suggestions about the course, this mid-term presentation, and the overall

evaluation process. Thank you for your participation!



Use a pen that doesn't bleed through the paper & print legibly

#### Next week





#### Tuesday, February 21st:

- ▶ Tour of Motion & Gait Analysis Lab
- ▶ Mid-term reports due





#### Thursday, February 23<sup>rd</sup>:

The Design and Control of Exoskeletons for Rehabilitation -Katherine Strausser, PhD



## Tuesday, February 21st





Field trip to Motion & Gait Analysis Lab

Jessica Rose, PhD & Katelyn Cahill-Rowley



- Same carpool assignments?
- Students only no community members
- ▶ No one with an active cold or flu



### Field Trip to Motion & Gait Analysis Lab

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#### Passenger Signup Sheet VA Palo Alto Heath Care System Tuesday, February 2<sup>nd</sup>

Departure Point Thornton Center @ 4:30pm

Driver's name, cell & email: Car make, model, color: Passengers: Dave Jaffe Black Acura Integra 1. Name:

Cell

650/892-4464

Cell:

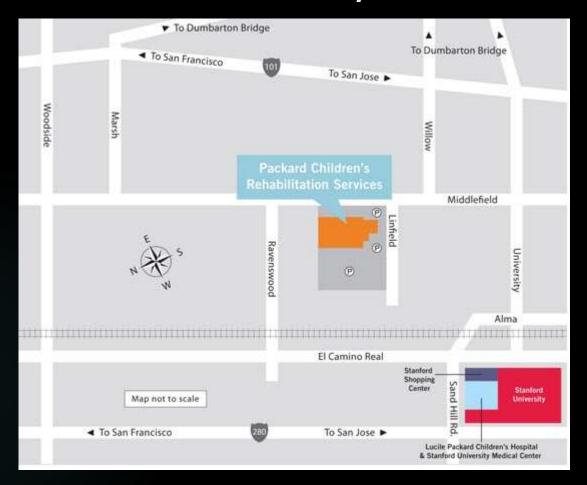
davejaffe@stanford.edu

- ▶ Passengers: Please check the signup sheet from the VA & indicate any changes. On the day of the field trip, please arrive promptly at the departure point: in front of the classroom facing Santa Teresa at 4:30pm.
- Drivers: Please park along Santa Teresa in from of Thornton. Depart promptly at 4:30pm. Carpool list, maps, and directions will be provided.

Drivers & passengers who need to leave early

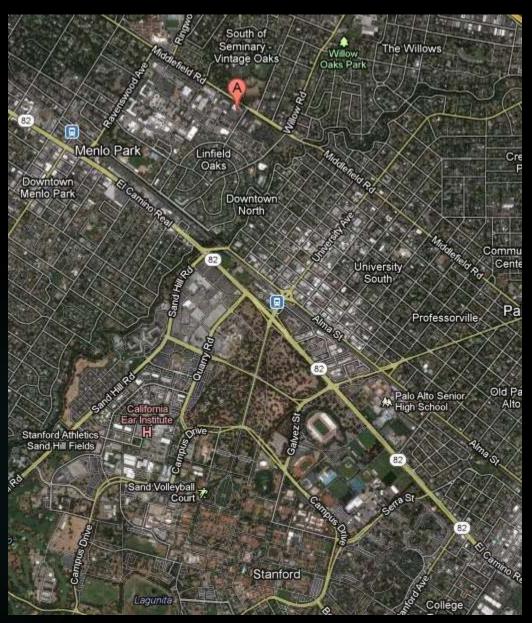
Let me know if you are a solo driver so I can send you a map.

#### Motion & Gait Analysis Lab



<u>Link</u>





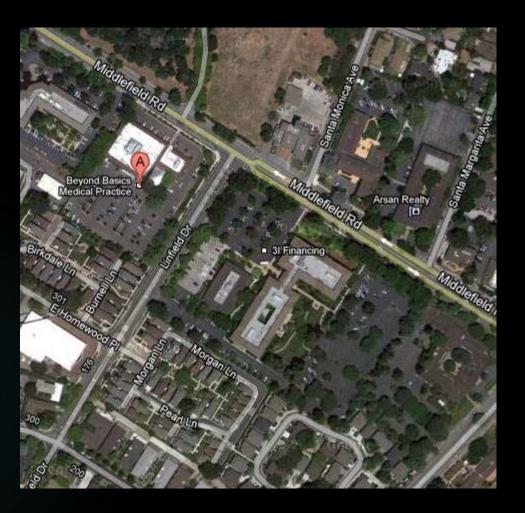
Take Palm Drive out of campus, cross over El Camino Real, make a right just past the CalTrain underpass





Right turn onto Alma, right turn onto either Lytton or Everett











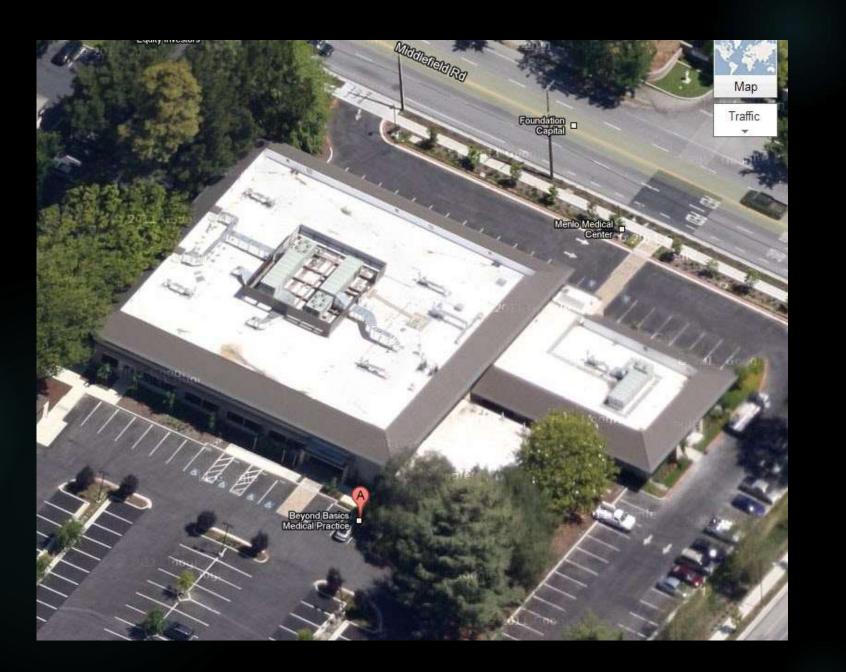


Continue past Willow Rd, left onto Linfield Dr, first right into parking lot



Enter building adjacent to parking lot









View of building entrance, wait in corridor



## Tuesday, February 21st



#### 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



## Today



#### Mid-term Student Team Project Presentations

- Dancing Our Way to Health Dance Therapy Project
- 2. Sock It to Me! Add-a-sock Project
- 3. Plug and Play Plugs for Molly Project
- 4. Le Joy Masters Magical Bridge Playground Project
- 5. Robotikids Art Tools Project
- 6. Legtastic Orthotic Rebound Shock Project
- 7. Nearpod X Authoring Grade School Lessons Project
- 8. All the Lights Magical Bridge Playground Project
- 9. Ranger Stick Pickup Sticks Project



#### Wireless Slide Presenter





### Short Break





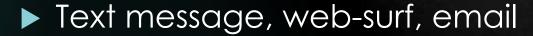
#### Break Activities







- Grab a cookie
- Stand up and stretch
- ▶ Take a bio-break



- ▶ Talk with classmates
- Reflect on what was presented in class











"lass ussed

## Questions?





## Adjourn



class dismissed



## Laptops Galore



