

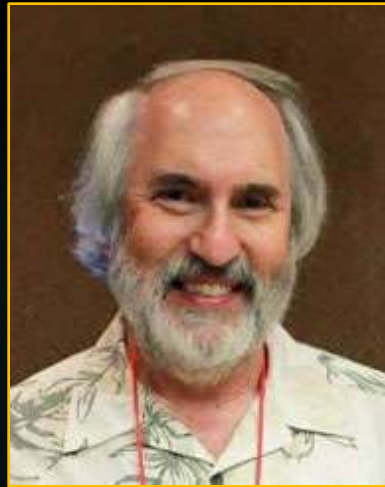
February 19, 2019

Designing Beyond the Norm to Meet the Needs of All People



# ENGR110/210

## Perspectives in Assistive Technology



David L. Jaffe, MS  
Instructor

**13**  
**Years**

# Questions, Comments, Suggestions, or Concerns?



Please notify me of your comments, suggestions, and concerns so I can explain / address / 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

For everyone:

- Class Session Evaluation Form



ENGR110210 Enrolled Student Attendance List  
January 10, 2017

Enroll Number	Name of Enrolled Student	Enroll Number	Name of Enrolled Student
10001	Adams, John Alexander	10001	Adams, John Alexander
10002	Adams, John Alexander	10002	Adams, John Alexander
10003	Adams, John Alexander	10003	Adams, John Alexander
10004	Adams, John Alexander	10004	Adams, John Alexander
10005	Adams, John Alexander	10005	Adams, John Alexander
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10099	Adams, John Alexander	10099	Adams, John Alexander
10100	Adams, John Alexander	10100	Adams, John Alexander

Sign Up to Meet with Dave

Before class outside Thornton 110  
After class in Thornton 110  
Other times in Peterson Building, Room 113

Date & Time	Enter Your Name & Specify 15 minute time block
Wednesday - January 18 <sup>th</sup> Morning - 8:30am - 11:30am	
Afternoon - 1:00pm - 4:30pm	
Thursday - January 19 <sup>th</sup> Morning - 8:30am - 11:30am	
Afternoon - 1pm - 3:30pm	
Before class - 5:45pm - outside classroom	
After class - 8pm	
Friday - January 20 <sup>th</sup> Morning - 8:30am - 11:00am	

Perspectives in Assistive Technology - 2017  
Class Session Evaluation Form

Lecture 01a: Course Overview & Introduction to Assistive Technology - David L. Jaffe, MS

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 (blackboard/whiteboard), stage presence, knowledge of topic, preparedness, presentation structure, organization, pace and management of allotted time, opportunity for questioning and class engagement, provided good examples, concepts, and demonstrations

Presentation content: topic relevant, 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 good or bad. 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, interesting, or provided a new perspective?

How much did you learn from today's lecture?  - A great deal  - a bit  - a moderate amount  - a little  - nothing

What is your stress level today?  - low  - medium  - high

How is your stress level trending?  - downward  - steady  - upward

# Upcoming class sessions

- ▶ **Field Trip to the Magical Bridge Playground** - Thu, Feb 21<sup>st</sup>
- ▶ **Designing Exoskeletons and Prosthetic Limbs that Enhance Human Performance** - Steven H. Collins, PhD - Tue, Feb 26<sup>th</sup>
- ▶ **Assistive Technology Faire** - Thu, Feb 28<sup>th</sup>
- ▶ **Film Screening** - Tue, Mar 5<sup>th</sup> - Peterson Building
- ▶ **Wheelchair Fabrication in Developing Countries** - Ralf Hotchkiss - Thu, Mar 7<sup>th</sup>



# Week 10 class sessions

- ▶ Student Team Project Final Presentations - Tue, Mar 12<sup>th</sup>
- ▶ Student team Project Demonstrations, Course Evaluations, and Celebration - Thu, Mar 14<sup>th</sup>





# Reminder - Work with Diligence



- ▶ Time is your team's most precious resource
- ▶ 3 weeks of class left to work on your projects



# Mid-term Evaluation Comments

*“Constant Comment.”*<sup>®</sup>



- ▶ Good comments, bad comments, how to evaluate?
- ▶ Conflicting comments on content and/or presentation
- ▶ There may be just one comment on an issue, either positive or negative
- ▶ Everyone has a different perspective, opinion, and level of understanding
- ▶ Not everyone is “right” due to emphasis, misunderstandings, and subjectivity
- ▶ Some evaluators may pick up on a detail, not on your major point, so emphasize major points on a separate slide
- ▶ **Make you own honest judgment on comments that could be helpful**
- ▶ Same goes for your mid-term report markup
- ▶ What do the scores mean with respect to your grade?

# Pre-Lecture Discussion Topics



- 22 - Ethical / Moral Dilemmas Related to Disability
- 22 - In the News - New Assistive Technology products and research
- 20 - Assistive Robotics - Robotic technology benefitting people with disabilities and older adults
- 15 - Overview of Accessibility - How this design feature relates to products, with many examples
- 15 - Ten Commandments of Making - Adam Savage's Maker Faire video
- 15 - Video Theatre - Watch and discuss videos of new products and prototypes
- 12 - Vintage Assistive Technology - Products and devices from the past
- 12 - The Upside of Failure - Learning from prototypes that didn't work
- 12 - Who is Disabled? - Making a determination with limited information
- 12 - Innovative Marketing Metrics - How we use words to measure and advertise
- 9 - Famous people with disabilities - Focus on TV characters



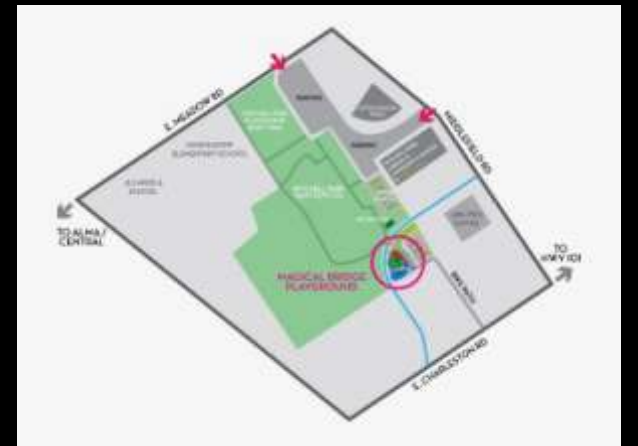
# Thursday, February 21st

*Where Everyone Can Play!*



Field trip to Magical Bridge Playground

Olenka Villarreal & Jay Gluckman







Field Trip to the Magical Bridge Playground

# Field Trip to Magical Bridge Playground

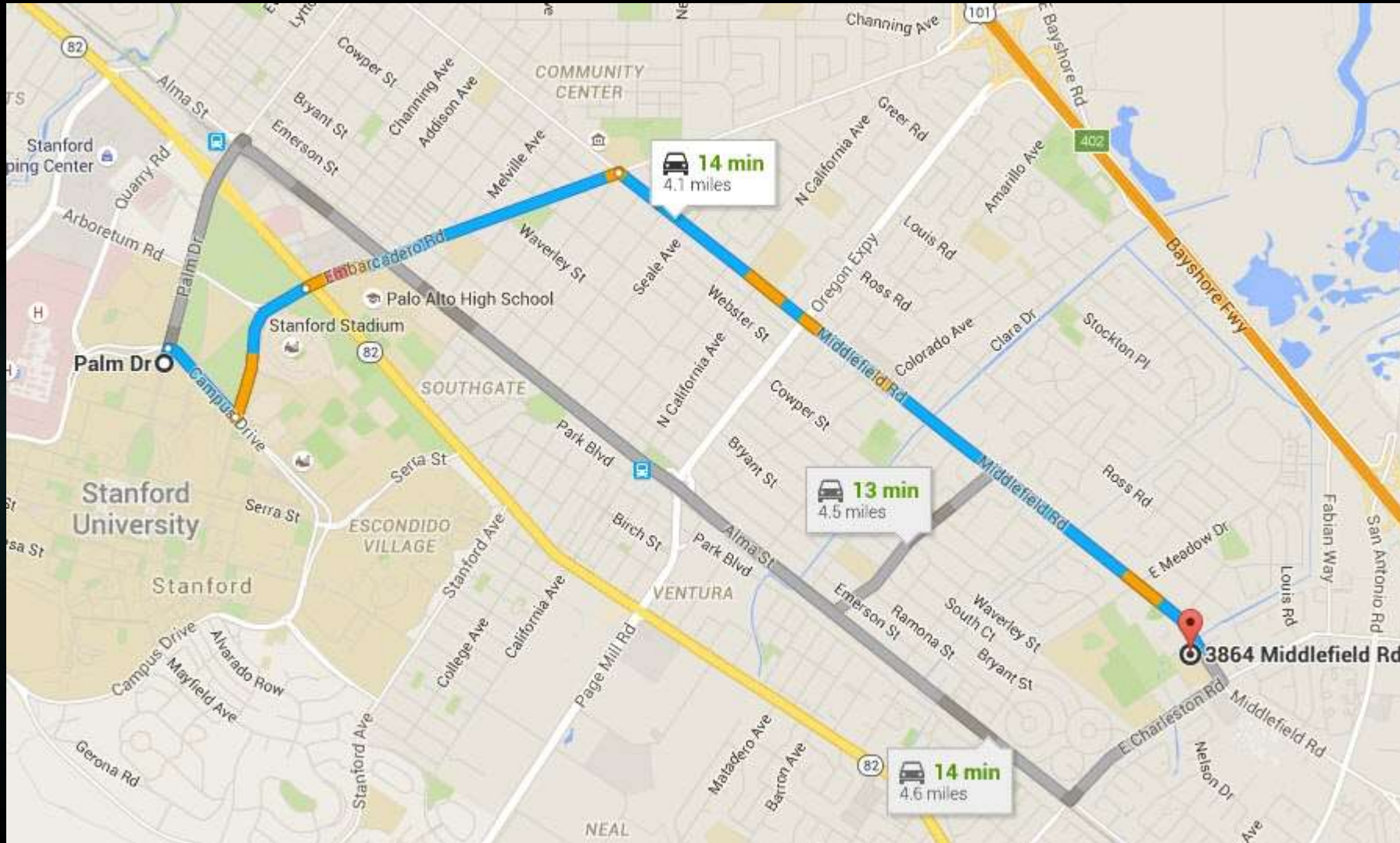


Passenger Signup Sheet Magical Bridge Playground Thursday, February 21st Departure Point and Time to be determined by Driver and Passengers			
1. Driver's name, cell & email: Car make, model, color: Passengers:	Dave Jaffe Black Honda Civic SI	650/692-4484 1. Matteo Zallo 2. Name: _____ 3. Name: _____	davejaffe@stanford.edu 650/283-1721 Cell: _____ Cell: _____
2. Driver's name, cell & email: Car make, model, color: Passengers:	Healey Montague-Alamin Blue Subaru	650/245-8776 1. Winston Liao 2. Lizbeth Gomez 3. Name: _____ 4. Name: _____	healeyma@stanford.edu 408/300-3145 657/267-1046 Cell: _____ Cell: _____
3. Driver's name, cell & email: Car make, model, color: Passengers:	Amy Li Silver Mini-Cooper (back seat has minimal leg room)	562/882-1001 1. Stella Tu 2. Tuls Desai 3. Name: _____	meidesign.net@gmail.com 847/477-6349 281/782-5435 Cell: _____
4. Driver's name, cell & email: Car make, model, color: Passengers:	Vanessa Ibarra Black Ford Flex 2011	972/743-9018 1. Jessica Rivera 2. Sheetal Ramsurrun 3. Name: _____ 4. Name: _____ 5. Name: _____	ibarrav@stanford.edu 714/718-5797 650/739-9280 Cell: _____ Cell: _____ Cell: _____
5. Driver's name, cell & email: Car make, model, color: Passengers:	Jessica Hsueh Silver Toyota Camry	510/585-7108 1. Lindsay Jeffries 2. Jenny Kim 3. Name: _____ 4. Name: _____	jchsueh@stanford.edu 520/223-7662 949/244-0008 Cell: _____ Cell: _____
6. Driver's name, cell & email: Car make, model, color: Passengers:	Kevin Supakkul Gray Honda Civic	817/286-4202 1. Arkira Chantaratananond 2. Name: _____ 3. Name: _____ 4. Name: _____	supakkul@stanford.edu 380/259-8764 Cell: _____ Cell: _____ Cell: _____
7. Driver's name, cell & email: Car make, model, color: Passengers:	Chloe Evans Black Jaguar 2009	415/370-7672 1. Marissa Luna 2. Annie Vesey 3. Andrea Banuet 4. Axelle Talma 5. Name: _____	chioee@stanford.edu 703/626-1000 650/786-2621 832/278-7338 650/250-8626 Cell: _____

- ▶ **Carpoolers:** Use the same drivers and passengers as Field Trip to VA.
- ▶ **Drivers:** Arrange your own pickup point time and location - coordinate with your passengers.
- ▶ **Passengers:** Please connect with your driver to verify the pickup point time and location.



# Directions to Magical Bridge Playground





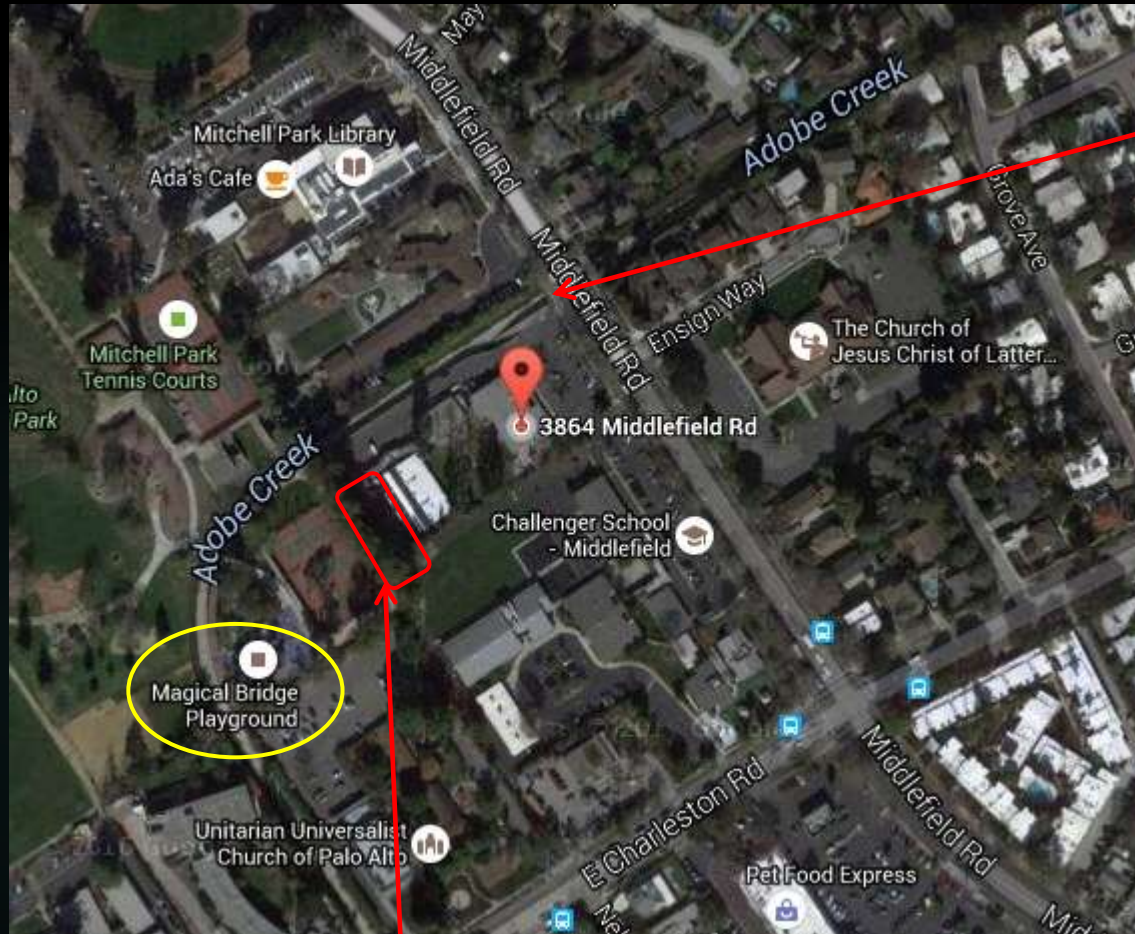
# Directions to Magical Bridge Playground



1. Take Galvez St. toward El Camino Real
2. Cross El Camino Real - becomes Embarcadero
3. Right turn onto Middlefield Rd.
4. Just after Mitchell Park Library and Adobe Creek and before Charleston, turn right into Abilities United at 3864 Middlefield. Park in the back by the tennis courts.
5. Proceed on foot around the tennis courts to the left to the Peery Circle Entry.



# Aerial Terrain View



Turn here

Park here



# Entrance off of Middlefield Rd



Enter here

Notice change in pavement color





# Park near tennis courts

Park back here



Turn here



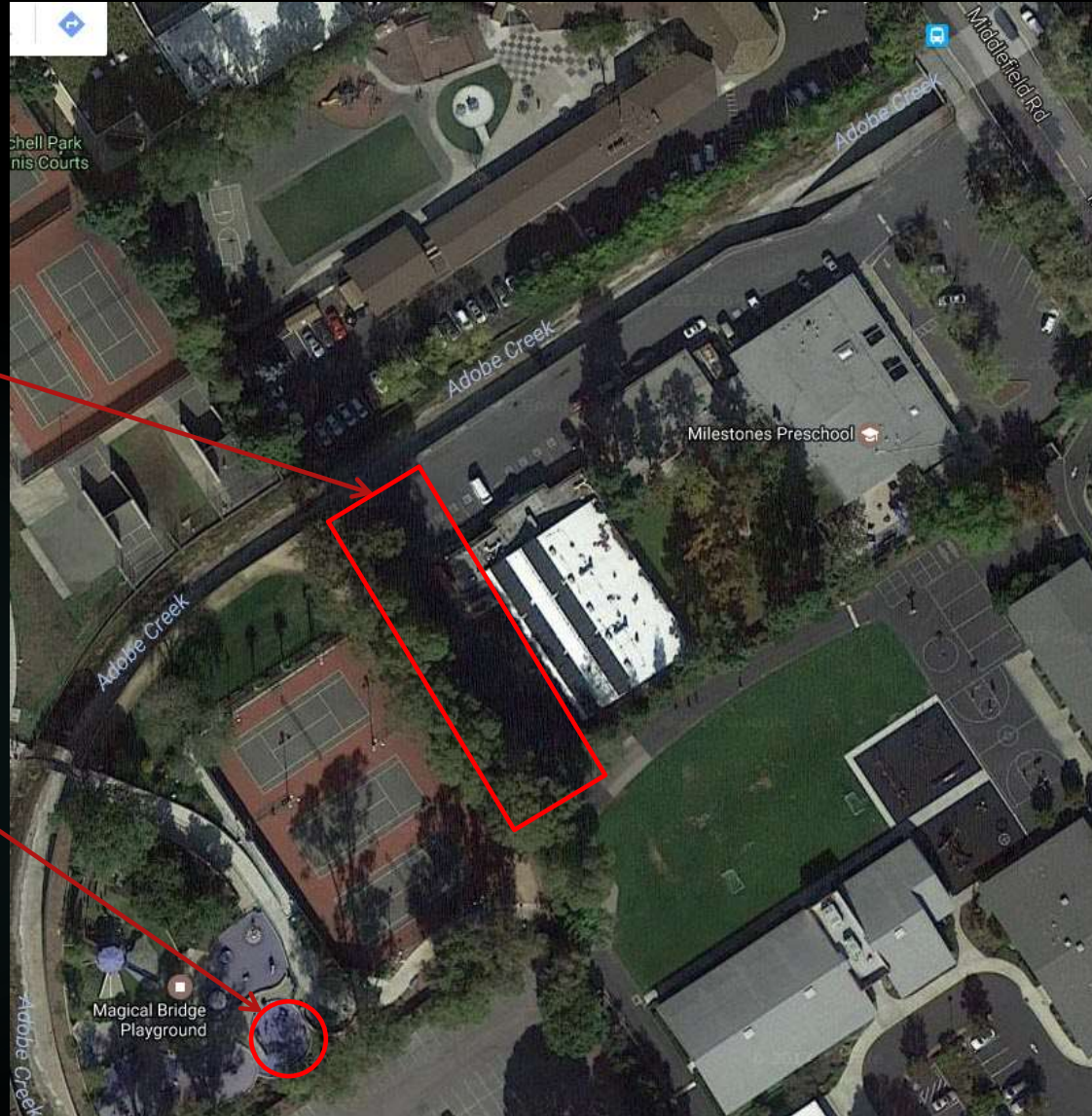


# Magical Bridge Playground



Park here

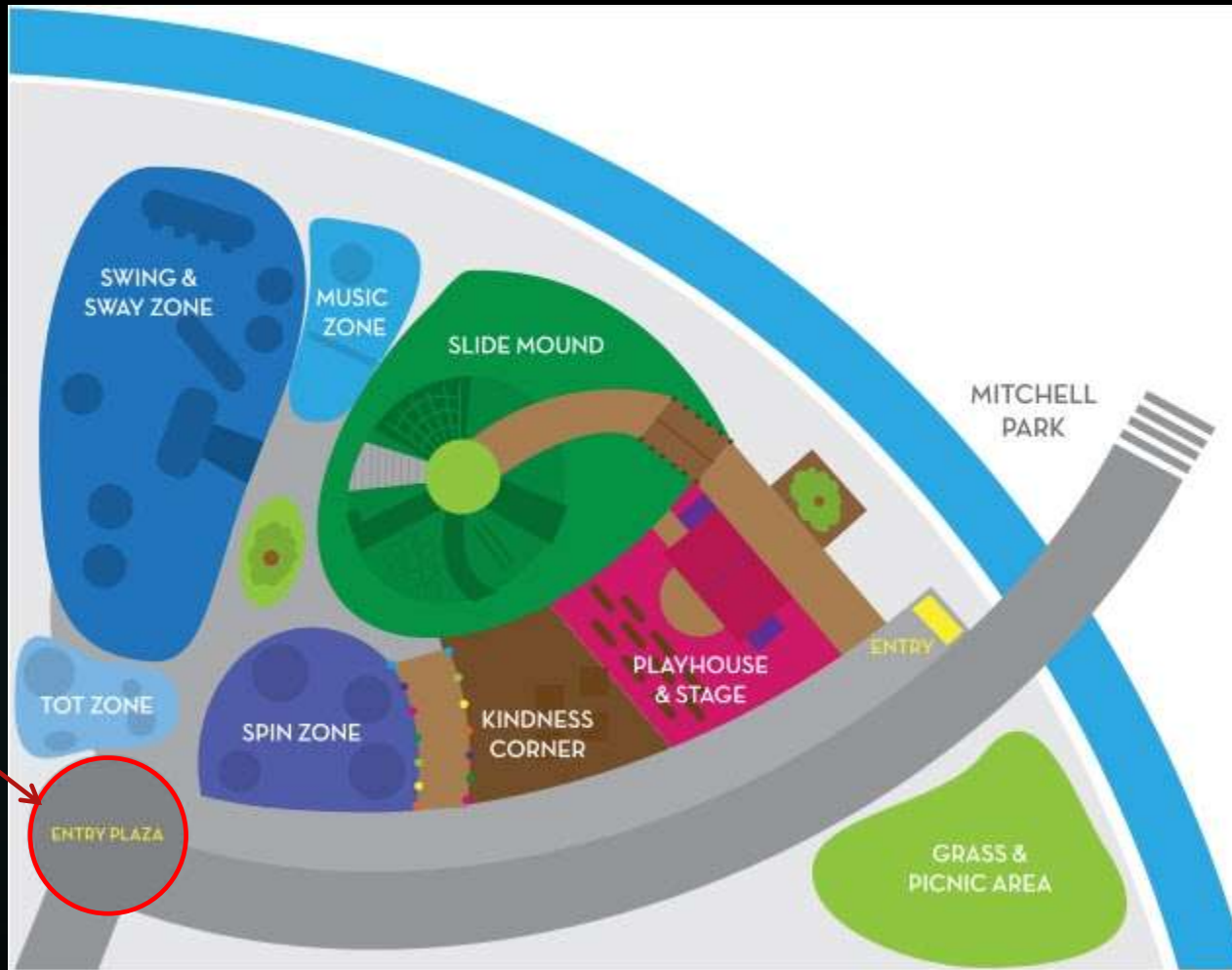
Meet here



# Meet at Entry Plaza



Meet here



# Today



*Designing Beyond the Norm to Meet the Needs of All People*

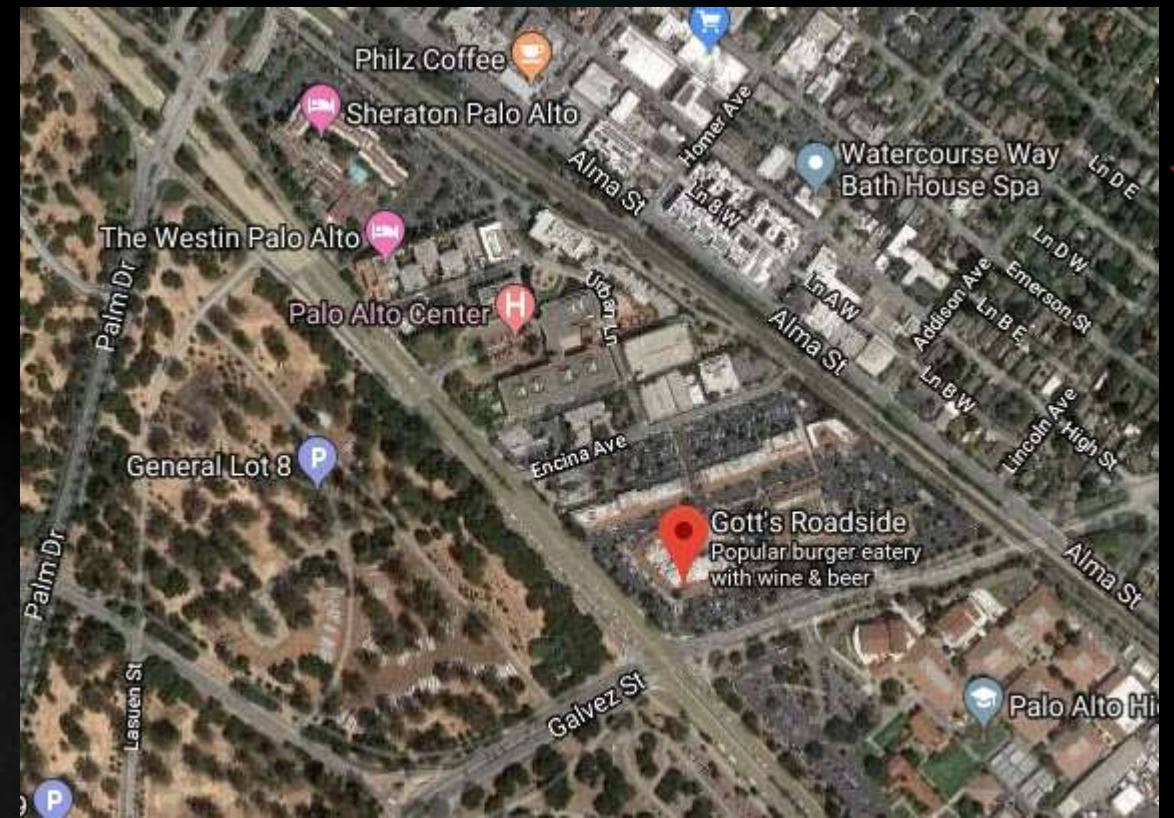
Peter W. Axelson, MSME, ATP, RET

Beneficial Designs, Inc. - Director of Research & Development



# After Class

Post-class dinner at Gott's Roadside in  
Town & Country Shopping Center -  
arrive around 6:30pm





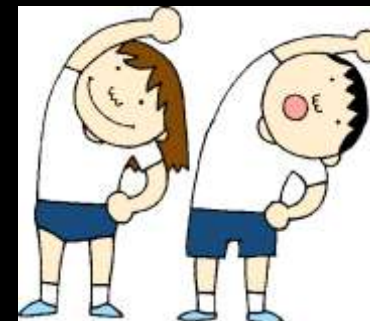
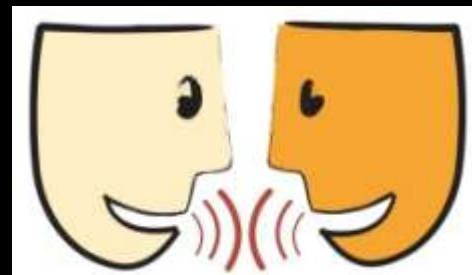
# Short Break



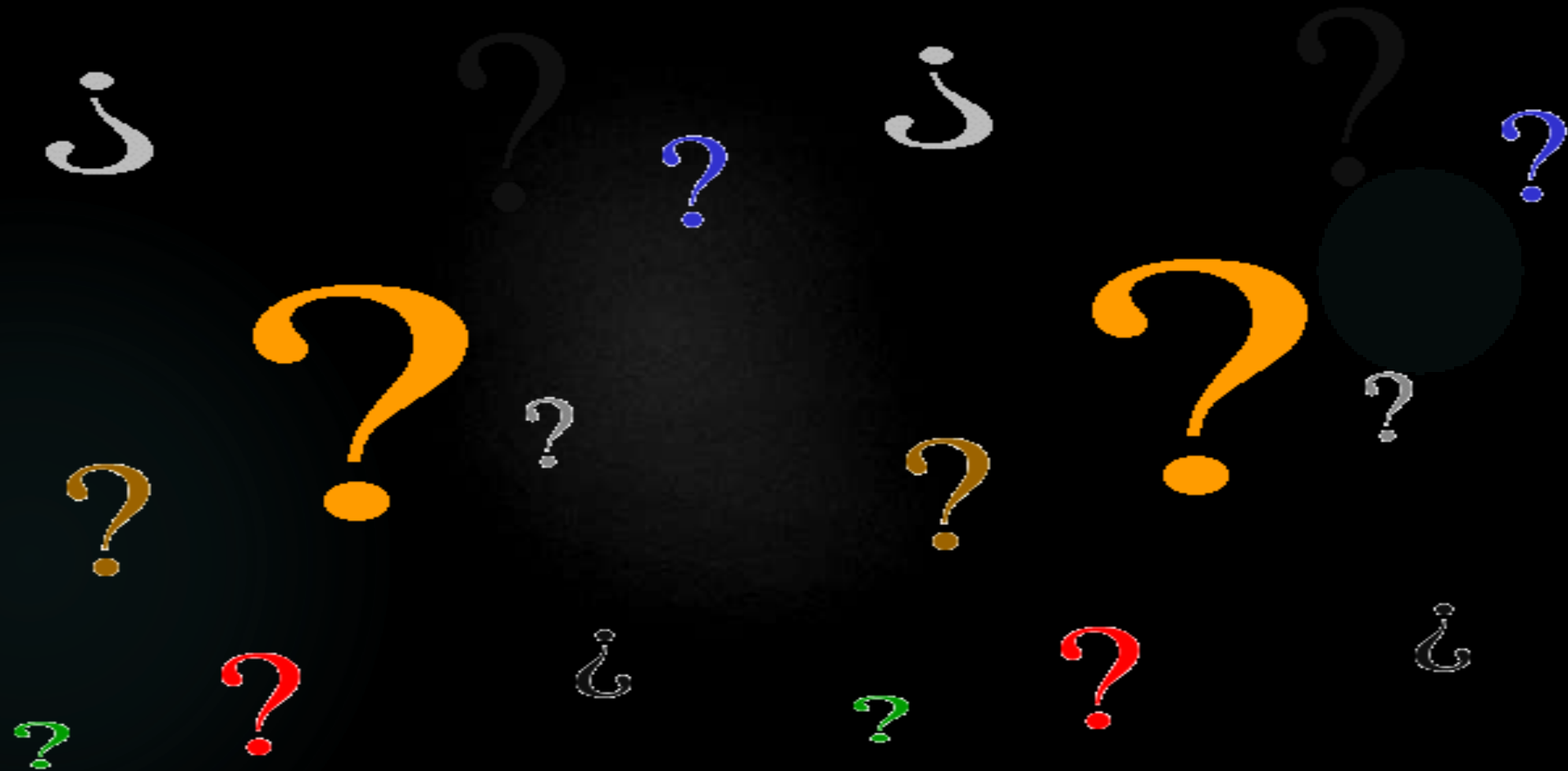
# Break Activities



- ▶ 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



# Questions?





Adjourn



class dismissed



# Laptops Galore



# Time for Questions?





End the class

