January 29, 2019
From Idea to Market:
Eatwell, Assistive Tableware for Persons with Cognitive Impairments

ENGR110/210
Perspectives in Assistive Technology

David L. Jaffe, MS
Instructor

13 Years
For all students:
• Attendance Sheet
• Meet with Dave signup

For everyone:
• Class Session Evaluation Form
Drivers’ Signup for Field Trip to VA

- Students and community members: Please indicate your availability to drive students to this field trip. Unless otherwise arranged, the departure point from Stanford is the Littlefield Center.
- Let me know if you are a solo driver so I can send you a map.

### Car Pool Drivers’ Signup Sheet - 2019

<table>
<thead>
<tr>
<th>Field trip:</th>
<th>Thursday, February 7th - VA Palo Alto Health Care System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students and community members: Please indicate your availability to drive students to this field trip venue. Unless otherwise arranged, the departure point from Stanford is the Littlefield Center.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driver’s name:</th>
<th>Dave Jaffe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cell phone:</td>
<td>650/892-4464</td>
</tr>
<tr>
<td>Car model &amp; color &amp; number of passengers:</td>
<td>Black Honda Civic Si - 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driver’s name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cell phone:</td>
</tr>
<tr>
<td>Car model, color, and number of passengers:</td>
</tr>
<tr>
<td>Available for early return @ 5:40:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driver’s name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cell phone:</td>
</tr>
<tr>
<td>Car model, color, and number of passengers:</td>
</tr>
<tr>
<td>Available for early return @ 5:40:</td>
</tr>
</tbody>
</table>
Pickup at Littlefield Center
Gary Berke reports that at Veterans Affairs Medical Centers, prosthetic devices are fitted by in-house prosthetists.
Team Projects

Expected for Mid-term:

- Connect with project partner
- “Understand the Problem”
  - Internet search
  - Existing products / devices
  - Survey technology
- Brainstorm
- Select Design Concept(s)
- Sketches, low resolution prototypes
Work with Diligence

- Time is your team’s most precious resource
- 5.5 weeks of class left to work on your projects
- Mid-term team presentations in 2.5 weeks
- Not too early to outline presentation & report
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
Ethical / Moral Dilemmas Related to Disability

Formally titled “Fun with Ethics”
Making Decisions

1. Everyone evaluates situations and makes decisions everyday
2. As one gets older, these decisions more frequently involve and affect others
3. Tough decisions are often made using a complex combination of upbringing, economics, religion, law, individual notion of what is right, politics, and personal experience
Situation 1

Would it be wrong for a “normal” couple to abort a fetus diagnosed with dwarfism or Down Syndrome?
Situation 2

If two parents with Achondroplasia - an inherited form of dwarfism - wanted a child who looked like them, would it be wrong for them to terminate a normal-sized fetus?
Situation 3

Should everyone have a right to bear arms?
Situation 4

Should someone who is blind have a right to bear arms?
Situation 5

You are a biomedical engineer working in a spinal cord injury ward. An occupational therapist approaches you with a patient’s request. The patient, an individual with quadriplegia, wants a device that would enable him to independently smoke a cigarette.

What do you do?
Situation 6

You are a sign language interpreter for a deaf woman. Her communication includes a lot of obscenities which causes you a lot of embarrassment and distress.

What do you do?
Situation 7

As a surgeon, would you approve a heart transplant for someone with a disability?
As a concerned citizen, would you condone the marriage and subsequent parenthood of a couple, one or both with developmental disabilities?
Thursday, February 31st

Improving Indoor Environments for Older Adults

Matteo Zallio, M.Arch, PhD
Fulbright Scholar
Today

From Idea to Market: Eatwell, Assistive Tableware for Persons with Cognitive Impairments (by video)

Sha Yao
Sha Design
Short Break

Back in a minute

SOCIAL MEDIA 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
Sha Yao describes herself as a passionate Industrial Designer who likes to challenge herself. She has a diverse background and speaks English, Mandarin Chinese, and Japanese. She created a product design studio to help startup companies develop their product ideas, and especially loves to work on projects that help people in need.
Questions?
Adjourn

class dismissed
Laptops Galore
Time for Questions?
End the class