Interactive Session 2: Haptic Design

Allison M. Okamura
Stanford University
Zoom Etiquette for questions and comments during interactive sessions

Type your question/comment in the Zoom chat. If I do not see the chat, your question will be repeated out loud by Brandon.

Alternatively, you can use the “Raise Hand” button in Zoom to get the attention of the teaching team. Once you are called on, unmute yourself and ask your question. (Mute yourself again after.)
This may also help you come up with ideas and clarify definitions if you get stuck on Assignment 1.
Trends motivating haptics
Trends motivating haptics

• Networking
• Ubiquity of computing devices
• Multitasking
• Virtualization
• Information management
• Fragmentation

go to pollev.com/haptics
or
text haptics to 22333 once to join and then text your response
Trends motivating haptics

• What else?

go to pollev.com/haptics

or

text your response
When to use haptic feedback
When to use haptic feedback

- Precise force vs. position control
- Guidance (for training or shared control)
- Abstract communication and information display
- Notifications and background awareness
- Augmentation of graphical user interfaces
- Expressive control
- Communication of affect
- Mobile and handheld computing
When to use haptic feedback

• What else?

  go to pollev.com/haptics
  or
  text your response
Group Design Exercise
Example

1. Application: Haptic turning directions for visually impaired (connected to map on phone)

2. Trend: Mobile computing

3. Application area: Guidance

Sketch:

enter your answer at pollev.com/haptics or text your response
Now you!

We will put you into groups of ~4 students in a breakout session for 10 minutes.

In this session, decide on a haptic application (existing or new) and one person respond to the poll on one line with:

1. what is the application, 2. what trend does it address, 3. what application area (when to use haptics) does it address?

Also, make a sketch and prepare to show it on-screen

enter your 3-part answer at pollev.com/haptics
Make sure to watch the next posted lecture video before Tuesday’s interactive session.

Please post your questions to the Canvas discussion board.

Look for an assignment and OH poll to be posted later today. Make sure Canvas notifications are on.

Office Hours/Q&A with Allison until 10 am. Question queue (see tab with today’s date): https://tinyurl.com/HapticsAllison