

CMSC 838G

New Devices for New Interactions



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CSI 2107 Tue-Thu 3:30-4:45

Questions?

- Project
 - Pick a project by 2/12!

Today

- Overview of the field
- Idea about possible projects

Overview of the field

- Buxton point of view

Through the looking glass

- Software/Hardware dilemma
 - Software malleable
 - Hardware tangible
- Complexity/Specificity dilemma
 - Software general
 - Hardware specific?
- Task specific constrains
 - Best case
 - Worst case

Projects categories

- Technology track
 - Building new tracking technology
 - Augmenting current system
 - Creating new interactions
- Users track
 - Improve users experience
 - Improve users access
 - *Universal access*
- Experimental track
 - Evaluate a given technique for a given task

Possible project resources

- Create multi-disciplinary teams
- Access to user population:
 - Kids: KidTeam
 - Older users: Beltsville community computer resource center
- Access to hardware
 - 3D printer
 - Large format DiamondTouch
 - Phidgets hardware (see the Links web page)

Finding a possible project topics

- Identify 10 devices which could be improved
 - How did you identify the problem?
 - How do you think it should be fixed?
- Bring your list for next class

Reading for Next class

- Handouts