

**Digital Media Laboratory**

*An adaptive and flexible center supporting interdisciplinary research on human-computer interaction and related areas in understanding how people use communication technology and learn from information systems.*

**Primary ROI**

* Evaluate prototypes of emerging technologies
* Showcase select products from lab partners
* Provide hands-on training for technology-related projects
* Develop applied solutions for UK administrative and research needs
* Attract high school students to UK through summer programs
* Sponsor training workshops for students and faculty
* Generate income for university partner programs

1. **Main Entrance** and **Reception (**≈**80’ sq. ft.) /Check-in Area (**≈**22’ X 20’)**
2. **Focus Group (**≈**18’ X 20’) and Observation (**≈**18’ X 20’) Spaces**
3. **Adjoining User (n=3) (**≈**10’ X 14’ each) & Observation Usability Rooms (n=3) (**≈**10’ X 14’ each)**

* **Usability Testing of Mobile, Remote and Portable Devices**

1. **Intern Office Space for Undergraduate (**≈**230 sq. ft.) and Graduate Students (**≈**230 sq. ft.)**
2. **Lab Manager Office (**≈**80 sq. ft.)**
3. **Testing Spaces (n=8)**

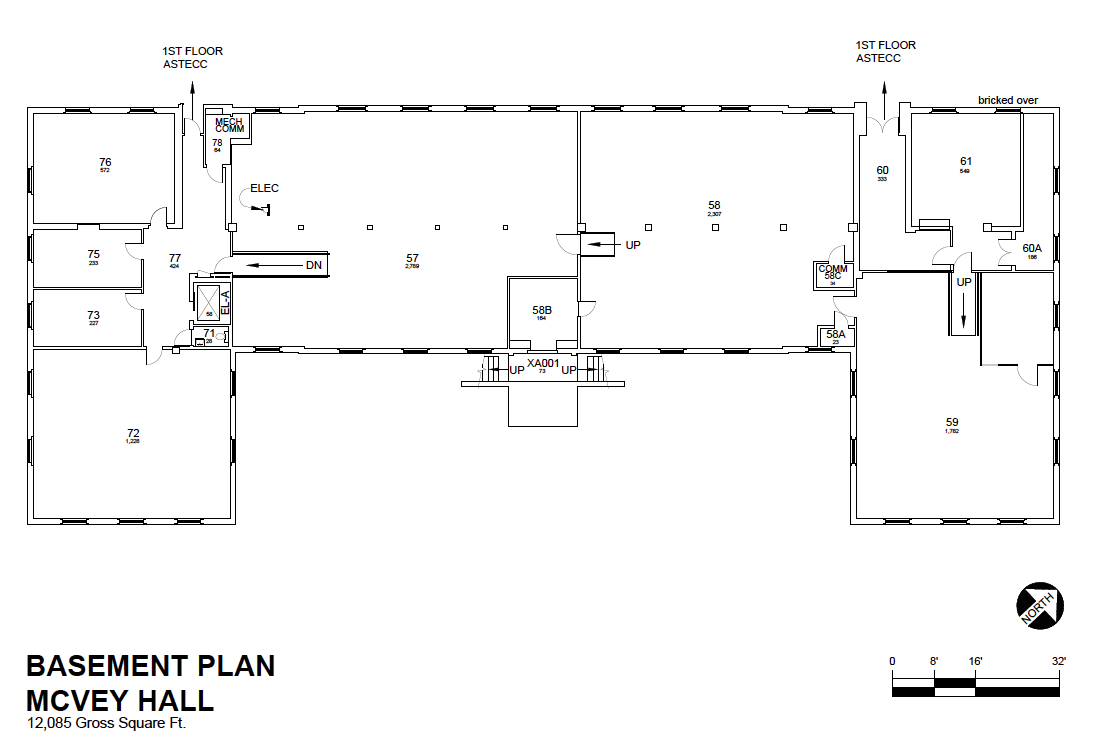
* **Human-Robotics Research Space** (Suitable Technologies & Double Robotics) **(**≈**300 sq. ft.)**
* **Drone Research Space (**≈**300 sq. ft.)**
* **Wearable Technology Research Space (**≈**200 sq. ft.)**
  + System integration technology
  + Medical technology
  + Other Health and Fitness technology
* **Eye-Tracking Research Space (**≈**300 sq. ft.)**
* **3-D Printing and Maker Space (**≈**350 sq. ft.)**
* **Video Game Research Space**  (Oculus Rift & Morpheus Research) **(**≈**570 sq. ft.)**
* **Multimedia/Virtual Environment Simulation Space (**≈**300 sq. ft.)**
* **Home Automation Testing Space (**≈**500 sq. ft.)**

1. **Training Facility (large classroom for up to 35 trainees) (**≈**1200 sq. ft.)**

Wireless High Definition Playback and Projection Systems to support

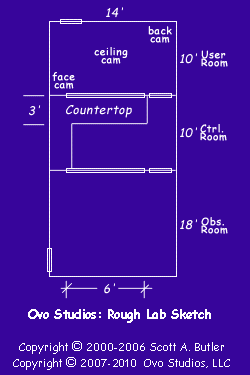
Large Scale Collaborations

*Ideas and images for possible floor plan layouts provided below.*

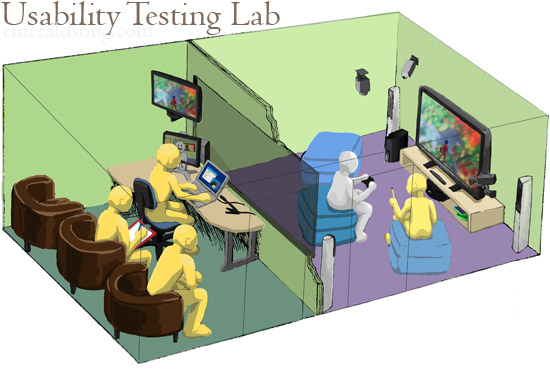


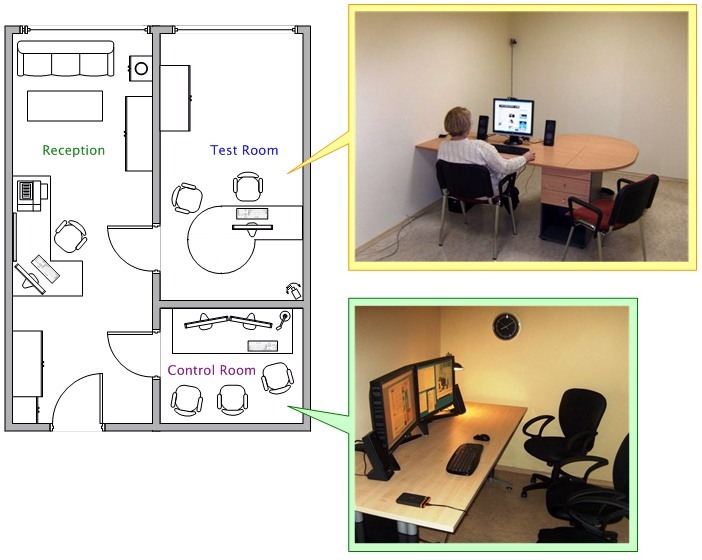


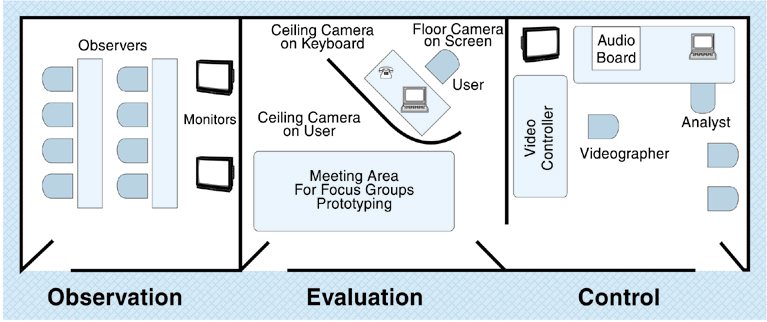
<http://reedcollegeofmedia.wvu.edu/magazine/interactive-2014-magazine>

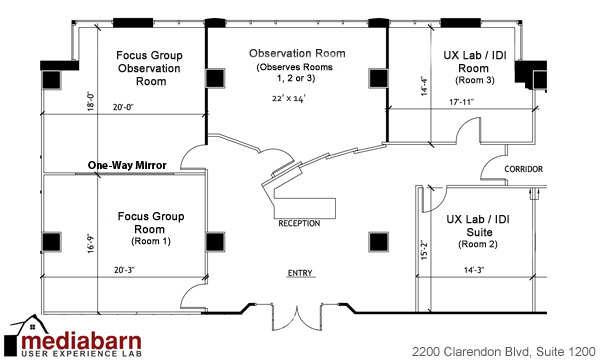


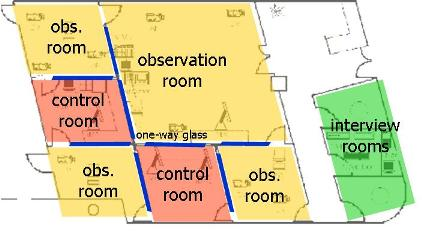
<http://www.ovostudios.com/labdesign.asp>

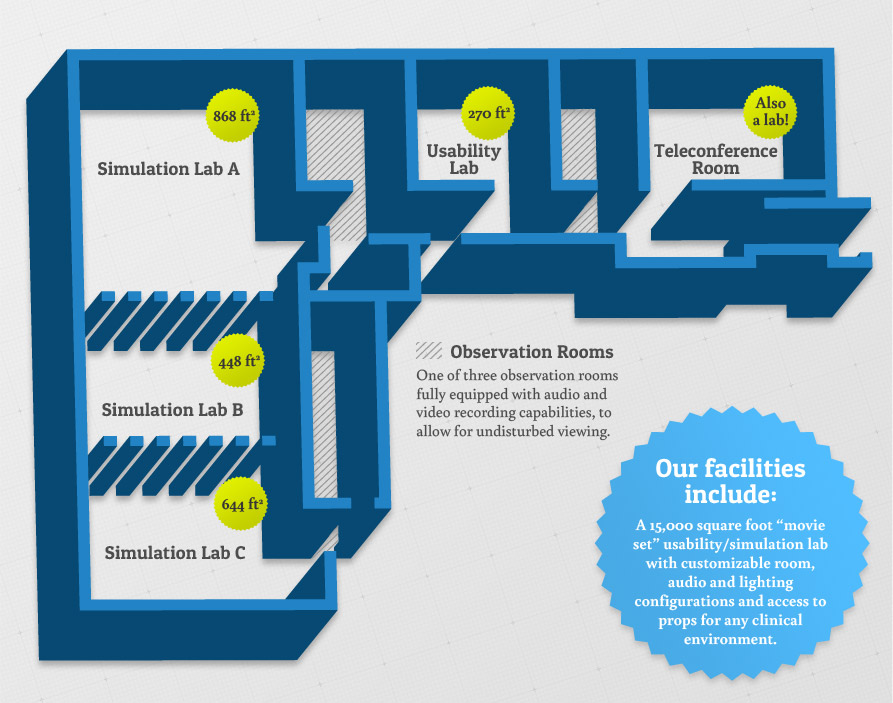
[](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&ved=0CAcQjRw&url=http://mind42.com/public/295f81ec-627f-4d96-96b3-8a61177eabaf&ei=gTJQVbnmIdXfsASWu4GgCg&bvm=bv.92885102,d.cWc&psig=AFQjCNGW7f3vA-neQJNDxNhdi-JuFCkpAw&ust=1431405558476000)

[](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&ved=0CAcQjRw&url=http://www.interux.com/Usability-Lab-Estonia-Tallinn.html&ei=gTJQVbnmIdXfsASWu4GgCg&bvm=bv.92885102,d.cWc&psig=AFQjCNGW7f3vA-neQJNDxNhdi-JuFCkpAw&ust=1431405558476000)

[](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&ved=0CAcQjRw&url=http://scholar.lib.vt.edu/ejournals/VALib/v45_n1/newins.html&ei=ADNQVaiHG9K0sAS644GgAg&bvm=bv.92885102,d.cWc&psig=AFQjCNGW7f3vA-neQJNDxNhdi-JuFCkpAw&ust=1431405558476000)

[](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&ved=0CAcQjRw&url=http://www.mediabarnresearch.com/photos/&ei=PTNQVYWoNs3dsASvq4CYCA&bvm=bv.92885102,d.cWc&psig=AFQjCNEEWSLiJF6dljmw3mGbjcdjCIMP0w&ust=1431405751807527)

[](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&ved=0CAcQjRw&url=http://www.cis.unimelb.edu.au/research/groups/interaction-design/lab.html&ei=vDNQVbzSHMrisASlxIC4DQ&bvm=bv.92885102,d.cWc&psig=AFQjCNEEWSLiJF6dljmw3mGbjcdjCIMP0w&ust=1431405751807527)

[](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&ved=0CAcQjRw&url=http://ehealthinnovation.org/about-us/labs/&ei=4zNQVaOBM5b_sASk64GQCw&bvm=bv.92885102,d.cWc&psig=AFQjCNEEWSLiJF6dljmw3mGbjcdjCIMP0w&ust=1431405751807527)

OTHER USABILITY LABS

<http://www.usability.gov/>

<http://cics.cci.utk.edu/usability-lab-services>

<http://ielab.missouri.edu/#/lab/home>

<https://www4.uwm.edu/sois/research/iia/>

<http://internal.simmons.edu/students/slis/slis-tech/usability-lab>

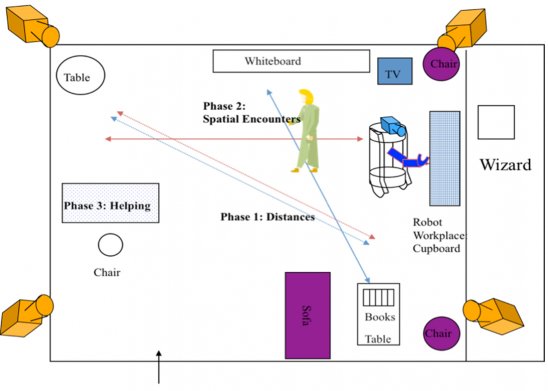
<https://www2.kent.edu/slis/about/locations/usability-lab.cfm>

<http://www.liu.edu/CWPost/Academics/College-of-Education-Information-and-Technology/Palmer-School-of-Library-Information-Science/LIU-Usability-Lab>

<http://triton.towson.edu/~jlazar/uul/>

<http://www.ubalt.edu/cas/about-the-college/schools-and-divisions/division-of-science-information-arts-and-technologies/labs/usability-lab/>

<http://mashable.com/2015/04/30/smart-tech-on-in-body/>

[](https://www.interaction-design.org/encyclopedia/human-robot_interaction.html)

[](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&ved=0CAcQjRw&url=http://spectrum.ieee.org/blog/automaton?offset=1103&max=10&ei=gTlQVcihJYykNvbVgIgE&bvm=bv.92885102,d.eXY&psig=AFQjCNFxC9rqeKyAYbQ4UpEZ5sZFDVLIzw&ust=1431407336837458)

[](http://pages.cs.wisc.edu/~dszafir/)

**Information on Innovative Technologies**

<https://www.suitabletech.com/>

<https://www.suitabletech.com/beam-plus/>

<http://www.doublerobotics.com/>

<http://www.vgocom.com/>

<http://store.dji.com/>

<http://www.dji.com/product/inspire-1/feature>

<http://www.dji.com/product/phantom-3#page1>

<http://www.tobii.com/>

<http://www.tobii.com/en/eye-tracking-research/global/landingpages/tobii-glasses-2/>

<http://www.mechdyne.com/>

<http://www.mechdyne.com/research-and-education.aspx>

<http://mashable.com/2015/04/30/smart-tech-on-in-body/>