Accessible Voting Technology Initiative

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Three Phase Research Project

- 1. Defining the problem
- 2. Designing a solution
- 3. Looking to the future



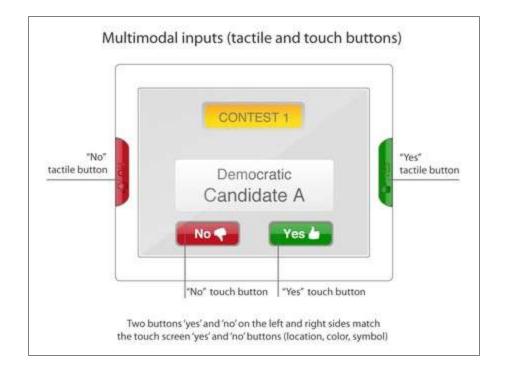
- Accessibility of current voting systems (University of Washington)
- Assistive technology in the voting process (Assistive Technology Partners)



- Barriers to political participation for people with disabilities (University of Utah)
- Ethnographic research on the voting experience of people with disabilities (Georgia Tech)



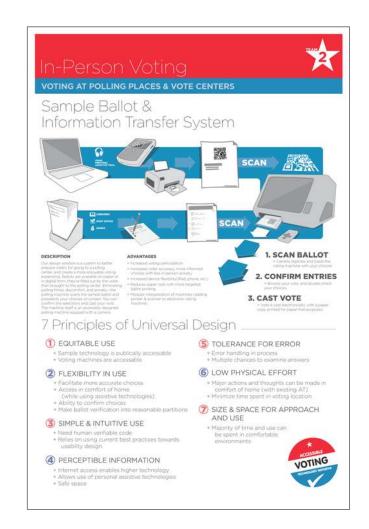
 Graduate course on universal design and voting systems (Georgia Tech)



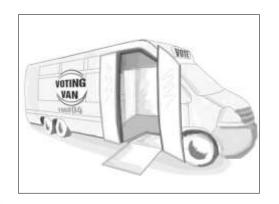


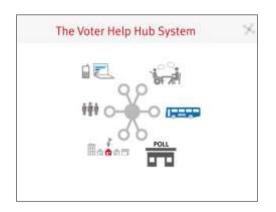
 Accessible voting design workshops (Georgia Tech)

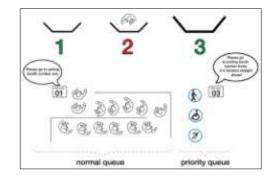




- Innovation Challenge (OpenIDEO)
 - "How might we design an accessible election experience for everyone?"









Winning concepts at: http://www.openideo.com/open/voting/winning-concepts/

50 Ideas for More Accessible Voting

5. A "Yelp" for polling places

Problem: Election officials do not always receive a lot of feedback on how well a pelling place is run, especially in big districts with many polling places.

Idea: An online rating system could allow voters to give feedback to election officials on what is, or is not, working and how to improve the voting experience. Ratings for polling places could belp voters identify the most accessible early voting centers and well-up polling places. This would also let the community recognize the expensise of election officials who operate the best polling places, who can then help improve neighboring locations.]



8. An easier-to-grip smartcard

Problem: Some voting systems are activated with smooth, flar, plastic amartaents, but they can be bard for voters with arthritis or low dexterity to hold, and inserting them in the right direction is a challenge for blind voters.

Idea: Election officials could add a hole for a finger grip and cut an angle off of one corner or add a norch in the hottom for orientation to make these plastic cards more accessible.



15. Mobile-friendly election web sites

Problem: For people with disabilities, smartphones can be a lifeline, but election web sites do not always work well on a small mobile device screen. This can keep voters who rely on their phone as their main computer from finding election information.

Idea: Election officials should make sure that election web sites and applications, like online seter registration, work on mobile devices, either with a mobile app or a website designed so that it automotically adapts to the size of the screen. One way to help ensure that forms and web sites work on smartphones is to keep the fayout simple.





Available at: http://www2.itif.org/2012-fifty-ideas-accessible-elections.pdf

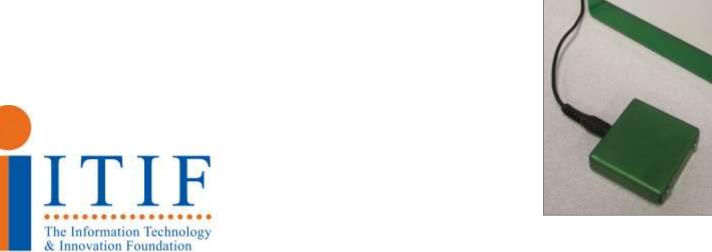
- Voting Technology
 - Evaluation of iPad voting for people living in long-term care facilities (Assistive Technology Partners)
 - Accessible ballot interface for mobile devices (University of Baltimore)

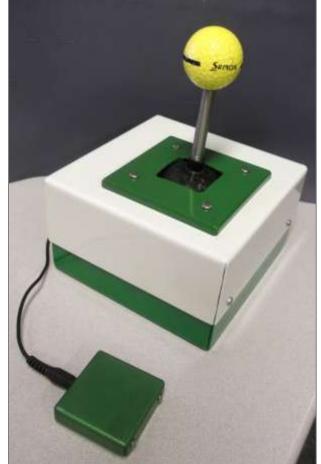


- Voting Technology
 - Two-button linear ballot interface (Georgia Tech)
 - Accessible hardware interface for tabletbased voting systems and voting system testbed (Georgia Tech Research Institute)



- Voting Technology
 - Joystick control and mounting bracket (Michigan State University)

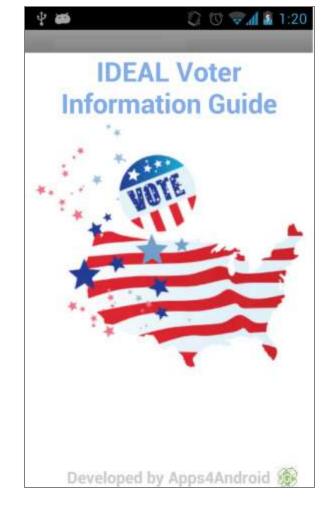




- Voter Guides
 - Web-based voter guide for people with aphasia (University of Maryland, Baltimore County)
 - Interactive voter guide for people with cognitive disabilities (CITRIS)



- Voter Guides
 - Voter information guide and poll worker manuals for non-visual access (Apps4Android)





- Election Administration
 - Pilot programs for supervised voting by people in group living facilities
 - Training materials for poll workers based on ethnographic interviews (Georgia Tech)



Learn more

 All material from the ITIF Accessible Voting Technology Initiative is available at: http://elections.itif.org



Thank you!

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