



**Research Alliance
for Accessible Voting**



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Outline

- Prime III
- Balloting and Voting Times
- Televoting (Internet Voting Research)



- Multimodal Interactions
 - Voters can speak and touch interchangeably



NIST Standard Ballot



1. President and Vice-President ==> Joseph Barchi and Joseph Hallaren (B)
2. US Senate ==> Dennis Weiford (B)
3. US Representative ==> Brad Plunkard (B)
4. Governor ==> Charlene Franz (B)
5. Lieutenant-Governor ==> Chris Norberg (B)
6. County Commissioners ==> Clayton Bainbridge (B)
6. County Commissioners (write-in) ==> Julian R. Gilbert ; Jackson R. Gilbert
7. Proposition #1 ==> Yes
8. Amendment #1 ==> Accept

1889

Ballot Processing

- Ballots are scanned by a separate machine
 - Scanned using OCR
 - Reduce tally differences between humans and machines
- Statistical manual recount to check machine count
 - Ed Felton, Barbara Simons & Arlene Ashe (AAAS, 2009)

NIST Standard Ballot



1. President and Vice President

Joseph Barchi and Joseph Hallaren	<input type="radio"/>	Martin Patterson and Clay Lariviere	<input type="radio"/>
Adam Cramer and Greg Vuocolo	<input type="radio"/>	Elizabeth Harp and Antoine Jefferson	<input type="radio"/>
Daniel Court and Amy Blumhardt	<input type="radio"/>	Charles Layne and Andrew Kowalski	<input type="radio"/>
Alvin Boone and James Lian	<input type="radio"/>	Marzena Pazgier and Welton Phelps	<input type="radio"/>
Austin Hildebrand-MacDougall and James Garritty	<input type="radio"/>	Write In: <u>Jessica Nicole Jones</u>	<input checked="" type="radio"/>

2. US Senate

Dennis Welford	<input checked="" type="radio"/>	Victor Martinez	<input type="radio"/>
Lloyd Garriss	<input type="radio"/>	David Platt	<input type="radio"/>
Sylvia Wentworth-Farthington	<input type="radio"/>	Heather Portier	<input type="radio"/>
John Hewetson	<input type="radio"/>	Write In: _____	<input type="radio"/>

3. US Representative

Brad Plunkard	<input checked="" type="radio"/>	Glen Tawney	<input type="radio"/>
Bruce Reeder	<input type="radio"/>	Carroll Forrest	<input type="radio"/>
Brad Schott	<input type="radio"/>	Write In: _____	<input type="radio"/>

4. Governor

Charlene Franz	<input checked="" type="radio"/>	Frederick Sharp	<input type="radio"/>
Gerard Harris	<input type="radio"/>	Alex Wallace	<input type="radio"/>
Linda Bargmann	<input type="radio"/>	Althea Sharp	<input type="radio"/>
Barbara Adcock	<input type="radio"/>	Barbara Williams	<input type="radio"/>
Carrie Steel-Loy	<input type="radio"/>	Write In: _____	<input type="radio"/>



550-856506

- Optical Scan Ballot
 - Ballot matches existing optical scan ballots
 - Can be read by existing scanners
 - Reduces errors
 - Provides immediate access into elections



Prime III



One Machine, One Vote for Everyone

- Sighted
- Blind
- Deaf
- Illiteracy
 - Sighted and Blind
- Physical Disabilities
 - Limited or no use of hands
 - For example, military wounded in Iraq, elderly, etc.
- All of these voters can privately and independently vote!



Balloting & Voting Times

- Voter fills out the ballot online or on their phone
- Prints or download QR Code
- On Election Day scan the QR Code on Prime III
- Review and Print

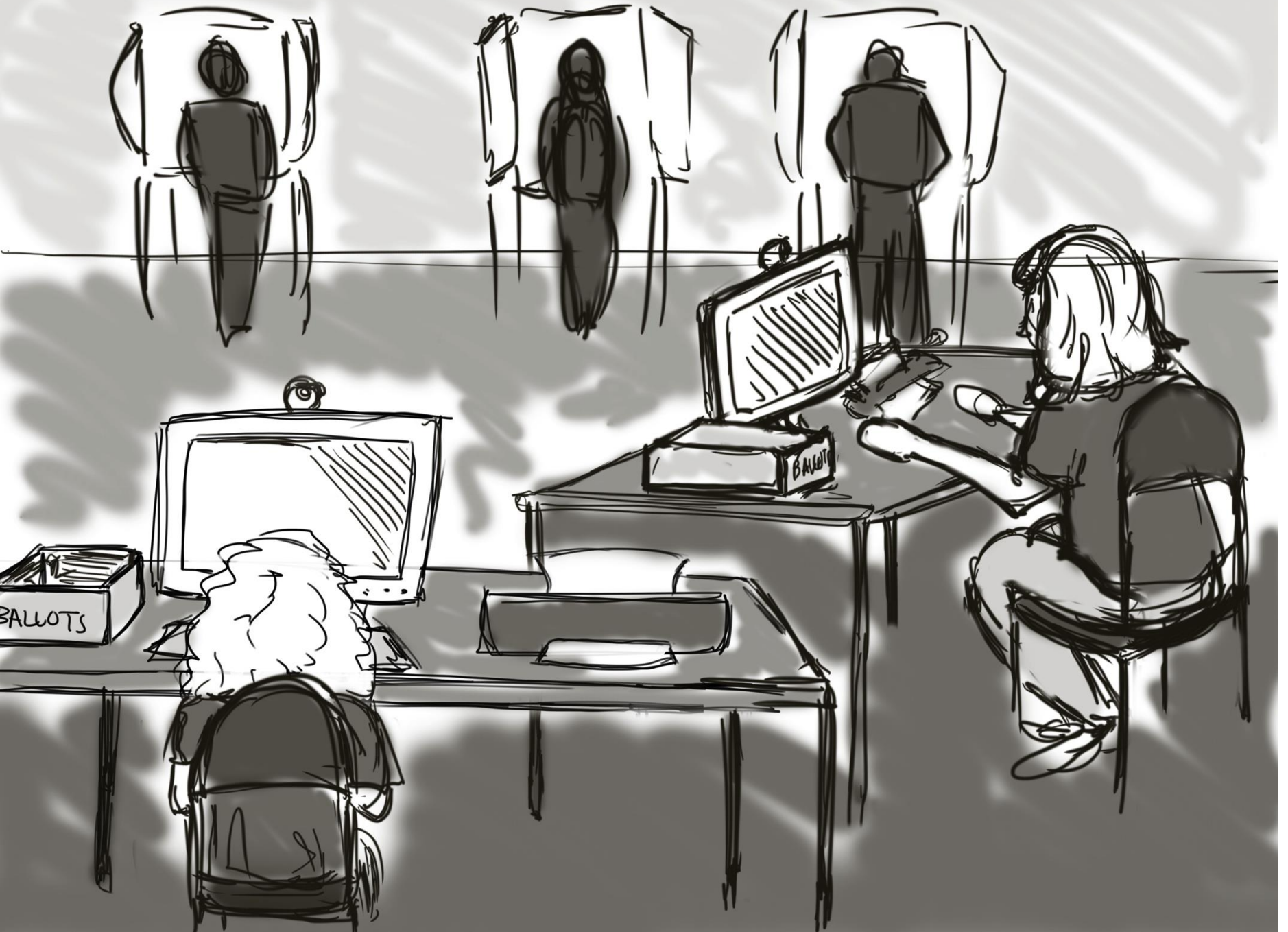


Televoting

- Taking tips from telemedicine, can we make internet voting secure and accessible for military and overseas voters?

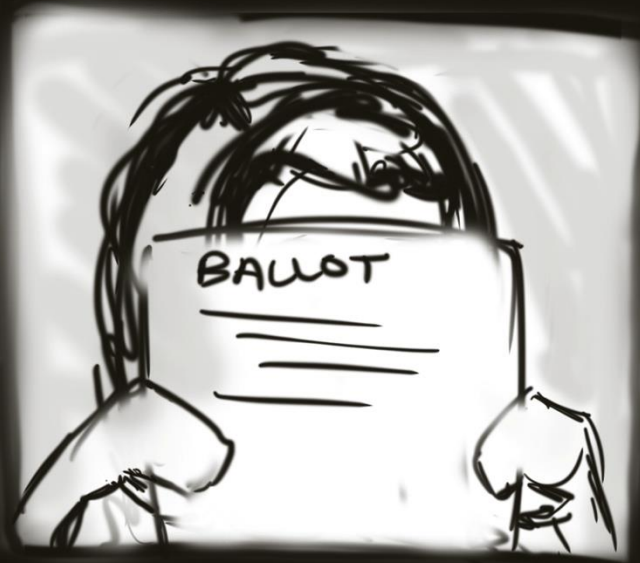
















Thank You



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