

Privacy that is Assured Through Transparency

Lillie Coney

End-to-End Voting Systems

Washington, DC

Privacy and Public Elections

- Voter Privacy
 - Fighting Fraud & Voter Intimidation
 - Secret Ballots
 - Auditing Requirements
 - Close Races
 - Vote Buying and Voter Coercion
 - Changing Technology and Polling Locations

Elections and Privacy

- Voter Registration
- Voter's Actions
 - Bumper Stickers
 - Yard Signs
- Casting a Vote
 - Public Information
 - Voters Who Voted
 - Totals for the Smallest Political Subdivision

So Why the Fuss About Privacy?

- Efficacy and legitimacy of Government
- Peaceful transition of power
- Remove obstacles to political participation
- Discourage aberrant political activity

Transparency and Voting Technology

- Voter Privacy from R&D to Ballot Casting
- Weighing the Arguments that Voting Technology Must be Easy to Understand
- End-to-End Auditing of Voting System
- Life Time of Voting Systems

What are the Challenges Today?

- Technology complicates the goal of transparency
- Protect the secrecy of the ballot
- Non-technical personnel responsible for conducting elections
- Building systems that cannot hide errors or manipulation
- Support auditing

Nexus of Privacy and Transparency

Voting is a private matter with public implications:

- Elections are contests
- Close elections are the challenge
- Trust in the reliability of outcomes
- Election Audits, recounts, and certification
- Making the case for constant improvements

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Lillie Coney

Associate Director

Electronic Privacy information Center

<http://www.epic.org/>