

Decentralized Governance

David Chaum (xx network see chaum.com)

Outline

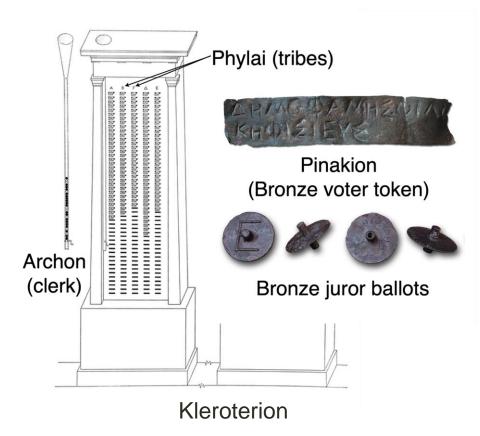
- "More money more votes" is easy online & decentralized:
- Public vote (digital sigs)
 Private vote (+mixing)
 (but not "secret ballot")

"One person one vote"* (i.e., improper influence protection) is *hard* online and harder decentralized, but we have made *breakthroughs*:

(1) Decoy ballots:RSvoting.org

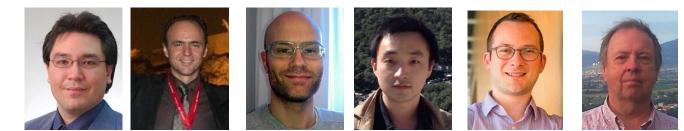
(2) Nullification protocol:Votexx.org

Athenian Juries



RSVoting.org ("decoy ballots")







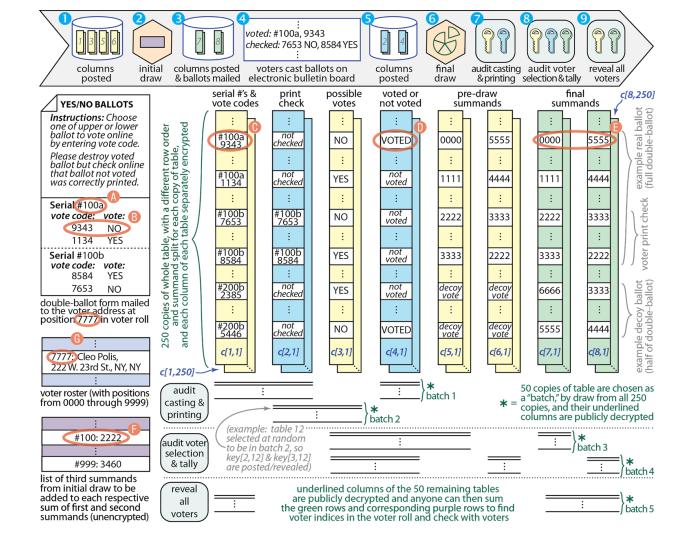












VOTE .org ("nullification")



David Chaum xx network



Rick T. Carback



Jeremy Clark U Concordia



Alan T. Sherman



Chao Liu UMBC



Mario Yaksetig xx network



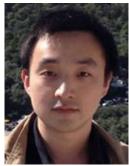
Mahdi Nejadgholi U Concordia



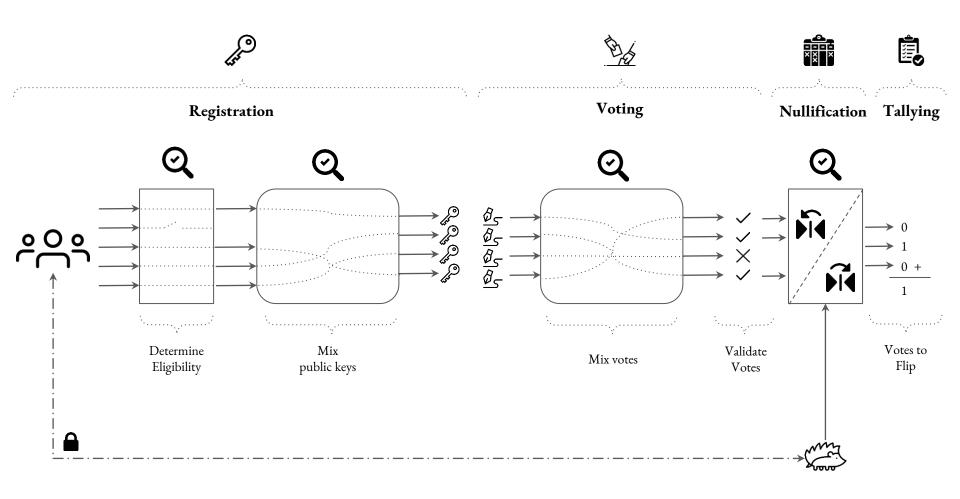
Filip Zagorski Wrocław UST



Bart Preneel KU Leuven



Bingsheng Zhang Zhejiang University



Overall elections

please see: Rsvoting.org... jury voting best according

(a) high effective voter turnout (b) better informed voters rationally motivated to delve into issues (c) increased effectiveness of results in shaping governance (d) improved resistance to manipulation through advertising/campaigning (e) increased indisputability and trustworthiness of results

(f) anonymity of voters with unsaleable votes (g) reduced opportunity for selective denial of voter access (h) voter fraud only through improper voter rolls (i) equivalent but safer decisiveness (i) reduced direct and overall cost



Thank You