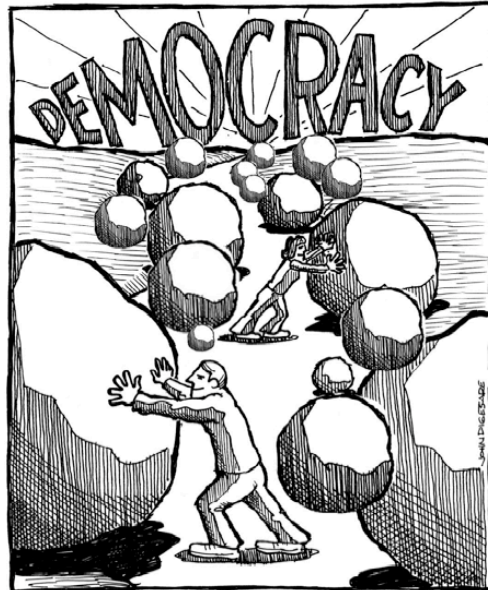


## TEAM TITLE: THE eDEMOCRACY VERTICALLY INTEGRATED PROJECTS (VIP) TEAM

**GOALS:** The eDemocracy team is tasked with identifying constructive roles for engineering and science in enabling democratic institutions. Democracy is a complex system ripe for analysis, including meaningful challenges in the area of security and trust, hardware, human computer interaction, and large-scale and network computing challenges.

**Our Goals:**

- 1) Enable citizens to become informed democratic decision-makers;
- 2) Provide for universal digital access to all government services and information
- 3) Increase transparency in evaluating government officials and processes
- 4) Support digital democracy in developing countries
- 5) Increase public confidence in election results through top-to-bottom election design and evaluation
- 6) Increase the ability of citizens to have a personal voice in government;
- 7) Foster democratic communities among regional and local electorates, and communities that span national boundaries



**CURRENT PROJECTS:**

- 1) Election Observation Technology: Using Android phones, SMS messages, cryptography and back-end analysis to help the Carter Center observe elections more efficiently
- 2) Computerized Redistricting: Using GIS and cutting-edge CS algorithms, our goal is to provide citizens with tools that help them understand current problems in redistricting (such as gerrymandering) and how computer science could address them

**TECHNOLOGIES:** Embedded systems, data mining, HCI, cryptography, web science.

**RESEARCH ISSUES:** Algorithms, technology in developing countries, policy

**TEAM ADVISORS:** Mike Hunter (CS), Ed Coyle (ECE), Mustaque Ahamad (CS)

**PROJECT PARTNERS AND SPONSORS:** The Carter Center

**DESIRED DISCIPLINES AND PREPARATION:**

ECE / CSE / CS / IC: Embedded systems, networking, social networking, HCI

INTA / PUBP / Other: Government policy, media studies, marketing, outreach

**CONTACT:** Mike Hunter, mhunter@cc.gatech.edu, 404 385 3128