EVENT PROGRAM

Today's Electronic Voting Machines:

An Examination of the Use and Security of Ballot Marking Devices

Zoom Webinar

Tuesday, June 22, 2021 12:00 PM - 5:00 PM EDT





SCHEDULE SUMMARY

12:00pm ET

Welcome and Introduction

12:15pm ET

Do universal-use ballot marking devices provide the security, verifiability and auditability essential for trustworthy elections?

2:00pm ET

Legal Consideration: How do universal-use Ballot Marking Devices protect or degrade voters' rights?

3:00pm ET

Administration: What does it take to run elections on universal-use Ballot Marking Devices?

4:00pm ET

The price tag: The cost of running elections on universal-use Ballot Marking Devices

5:00pm ET

Closing remarks

DETAILED SCHEDULE

12:00pm ET- Welcome and Introduction

Susan Greenhalgh, Senior Advisor for Election Security, Free Speech For People

Marilyn Marks, Executive Director, Coalition for Good Governance

Amid mounting evidence of vulnerabilities in electronic voting machines, and the growing focus on securing our elections, broad consensus has emerged among election officials, computer scientists, national security experts, election stakeholders and voters, that all votes should be recorded on a paper ballot. For years, that meant most voters would mark choices with a pen on a pre-printed paper ballot, and that voters that may be unable or uncomfortable handmarking their ballot would use an assistive ballot marking device. Assistive ballot marking devices are essential to provide differently-abled voters the opportunity to mark a paper ballot privately and independently.

However, in the last few years voting system vendors have promoted the "universal-use" ballot marking device (BMD) voting model, in which all voters use an electronic device to access an electronic ballot image and record vote selections. The device then prints a paper ballot summary of the voters' selections, in text and in a barcode. The ballot summary does not include the full ballot with all candidates and ballot questions. The ballot summary card is then scanned and the votes are tabulated.

Voting system vendors are promoting these systems as providing "paper ballots," but does the ballot summary produced by a BMD provide the same security, transparency and auditability properties achieved with ballots marked primarily by hand? And how does the universal-use ballot marking device model address other election management considerations like cost, logistics, administration, and legal compliance?

We will take a deep dive to answer these and other questions regarding the use of universal-use ballot marking devices.

12:15pm ET - Do universal-use ballot marking devices provide the security, verifiability and auditability essential for trustworthy elections?

The National Academies recently concluded that "there is no realistic mechanism to fully secure vote casting and tabulation computer systems from cyber threats". Recognizing this threat, jurisdictions are increasingly adopting risk-limiting audits, which require paper ballots to verify the election outcome without relying on potentially hacked voting equipment. This panel will examine the growing range of security vulnerabilities and threats that elections face, including serious new risks posed by universal-use Ballot Marking Devices, and discuss whether universal-use BMDs and their ballot summary cards can provide the verifiability and auditability necessary to assure that election outcomes match the will of the voters, and how to use modern concepts of resilience to reduce reliance on untrustworthy voting system components.

DETAILED SCHEDULE

Moderator: Richard DeMillo, Chair, School of Cybersecurity and Privacy and Charlotte B. and Roger C. Warren Chair in Computing, Georgia Tech

Panelists: J. Alex Halderman, Professor of Computer Science and Engineering, Director of the Center for Computer Security and Society, University of Michigan

<u>Harri Hursti</u>, Data Security Expert, Serial Entrepreneur, Board Chairman of the Election Integrity Foundation, and Founding Partner of Nordic Innovation Labs

<u>Dima Nazzal</u>, Director of Professional Practice, H. Milton Stewart School of Industrial and Systems Engineering, Georgia Tech

Kevin Skoglund, Co-founder Citizens for Better Elections

Philip B. Stark, Associate Dean, Division of Mathematical and Physical Sciences, Interim Regional Associate Dean, College of Chemistry and Division of Mathematical and Physical Sciences, Professor of Statistics, University of California

2:00pm ET – Legal Consideration: How do universal-use Ballot Marking Devices protect or degrade voters' rights?

In 2019, a federal court issued a landmark decision in the lawsuit Curling v. Raffensperger, ruling that Georgia's direct record electronic voting machines could not be used because they did not protect a voter's constitutional right to have their vote securely and reliably recorded and counted. As computer security experts have warned that many of the same issues exist with ballot marking devices, citizens have sought to challenge the legality of the BMDs in Georgia, North Carolina and Pennsylvania. The attorneys arguing these cases will discuss the status of these suits, the legal arguments, and facts of the cases.

Moderator: Penny Venetis, Clinical Professor of Law, Director of the

International Human Rights Clinic, Rutgers University Law School

Panelists: Shea Roberts, Georgia State House Representative District 52,

Giacoma Roberts & Daughdrill, LLC Firm Co-Counsel for Plaintiffs in

Coalition for Good Governance v. Raffensperger

<u>Courtney Hostetler</u>, Senior Counsel, Free Speech For People, co-lead counsel, *NAACP NC v. North Carolina State Board of Elections*

Robert McGuire, The Robert McGuire Law Firm, co-lead counsel for Coalition for Good Governance plaintiffs in Curling v. Raffensperger

3:00pm ET – Administration: What does it take to run elections on universal-use Ballot Marking Devices?

Running elections is a complex and intricate operation, and election officials are often overburdened and under-resourced. How does the universal-use Ballot

DETAILED SCHEDULE

Marking Device model ease or complicate the election process? What administrative procedures are made more efficient or more difficult with the adoption of universal-use ballot marking devices? These election administration experts will discuss the effort and resources that are needed to run elections on universal-use ballot marking devices, including logistics, polling place conditions and contingency plans in the event of failure.

Moderator: Kevin Skoglund, Co-founder Citizens for Better Elections

Panelists: Marybeth Kuznik, Director of Elections, Armstrong County, PA

Marcia Ridley, Former Election Supervisor, Spaulding County, GA

Connie Schmidt, Retired Election Director, Johnson County, KS

Grace Wachlarowicz, Retired Election Director, Minneapolis, MN

4:00pm ET – The price tag: The cost of running elections on universal-use Ballot Marking Devices

This panel explores the costs involved with running elections on universal-use Ballot Marking Devices for all voters. There has been robust debate - and conflicting information - on the true and accurate costs associated with adopting universal use BMDs. This panel features experts that have analyzed the costs of purchasing BMDs for all voters, as well as the ongoing and hidden costs involved with this election model. The panel will also provide comparisons to using preprinted ballots and ballot-on-demand.

Moderator: Dr. Virginia Martin, former Commissioner of Elections,

Columbia County, NY

Panelists: Chris Deluzio, Policy Director of the University of Pittsburgh Institute

for Cyber Law, Policy, and Security (Pitt Cyber)

Jeanne Dufort, Coalition for Good Governance

Eddie Perez, Global Director of Technology Development & Open

Standards for the OSET Institute

Dr. T. Anthony Spearman, President, North Carolina State Chapter

of the NAACP & Board Member, Guilford County,

North Carolina Board of Elections

5:00pm ET - Closing Remarks

Susan Greenhalgh, Senior Advisor for Election Security, Free Speech For People

Marilyn Marks, Executive Director, Coalition for Good Governance

<u>Susan Greenhalgh</u> – Senior Advisor on Election Security, Free Speech For People



Susan Greenhalgh is the Senior Advisor on Election Security for Free Speech For People. Ms. Greenhalgh has previously served as vice president of programs at Verified Voting and at the National Election Defense Coalition, advocating for secure election protocols, paper ballot voting systems and post-election audits. Recognized as an expert on election security, she has been invited to testify before the U.S. Commission on Civil Rights and has been an invited speaker at meetings of the MITRE Corporation, the National Conference of State Legislatures, the Mid-West Election Officials Conference, the International Association of Government Officials, the Election Verification Network and the E-Vote-ID conference in Bregenz, Austria. She is a frequent source for reporters from TheNew York Times, The Washington Post, The Wall Street Journal, Politico, USAToday, Associated Press, National Public Radio and other leading news outlets. She has appeared on CNN and MSNBC's The Rachel Maddow Show, and various other television news shows. She has a BA in Chemistry from the University of Vermont.

<u>Marilyn Marks</u> – Executive Director, Coalition for Good Governance



In 2009, after a narrow loss to become the Mayor of Aspen, I recognized the vulnerabilities in Colorado's election systems. I then devoted full time to election integrity litigation and lobbying efforts for more transparent and verifiable elections. I successfully litigated the effort to make Colorado ballots open public records for postelection reviews, followed by more than 25 election-related cases involving election transparency or voter privacy ("secret ballots"). After moving back east, I became the driving force behind the current legal challenge to Georgia's unverifiable electronic voting system. I now reside in Charlotte, North Carolina.

Richard DeMillo - Chair, School of Cybersecurity and Privacy at Georgia Tech



Richard DeMillo is the Charlotte B. and Roger C. Warren Professor of Computer Science and Chair of the School of Cybersecurity and Privacy at Georgia Tech. He was previously Founder and Executive Director of the Center for 21st Century Universities at Georgia Tech and was named a Lumina Foundation Inaugural Fellow in recognition of his work in higher education. He previously served as Hewlett-Packards' Chief Technology Officer, directed the Computer and Computation Research Division of the National Science Foundation and was the John P. Imlay Dean of Computing. The author of over a hundred articles, books, and patents, he is a Fellow of both the Association for Computing Machinery and the American Association for the Advancement of Science.

J. Alex Halderman – Professor of Computer Science & Engineering, University of Michigan



My research focuses on <u>computer security and privacy</u>, with an emphasis on problems that broadly impact society and public policy. Topics that interest me include software security, network security, data privacy, anonymity, election cybersecurity, censorship resistance, computer forensics, ethics, and cybercrime. I'm also interested in the interaction of technology with politics and international affairs. For more detailed information on his research, teaching, and publications, here is a link to Professor Halderman's website: https://jhalderm.com/

<u>Harri Hursti</u>– Data Security Expert, Serial Entrepreneur, Board Chairman of the Election Integrity Foundation, and Founding Partner of Nordic Innovation Labs



Mr. Harri Hursti is a world-renowned data security expert, internet visionary, and serial entrepreneur. He is Board Chairman of the Election Integrity Foundation and a Founding Partner of Nordic Innovation Labs. He began his career as the prodigy behind the first commercial, public email, and online forum system in Scandinavia. He founded his first company at the age of 13 and went on to cofound EUnet-Finland in his mid- 20's. Today, Harri continues to innovate and find solutions to the world's most vexing problems. He is among the world's leading authorities in the areas of election voting security, critical infrastructure, and network system security.

Mr. Hursti is considered one of the world's foremost experts on the topic of electronic voting security, having served in all aspects of the industry sector. He is considered an authority on uncovering critical problems in electronic voting systems worldwide. In the last 16 years, Mr. Hursti has pursued this important area out of a sense of duty to his fellow citizens of the world, here are several of his critical findings and projects. As a consultant, he has conducted and coauthored many studies, both academic and commercial, on various election systems' data security and vulnerability. These studies have come at the request of officials, legislators, and policymakers in 5 countries; including the U.S. government, at both the state and federal levels.

As an ethical hacker, Mr. Hursti is famously known for his successful attempt to demonstrate how the Diebold Election Systems voting machines could be hacked, ultimately altering final voting results. Mr. Hursti was hired by the nonprofit elections watchdog group Black Box Voting, where he performed two voting machine hacking tests, which became widely known as the Hursti Hacks. The first Hursti Hack was set up in Leon County, Florida with the authorization of the Supervisor of Elections and these tests examined a Diebold Election Systems Accu-Vote OS 1.94w (optical scan) voting machine. The second Hursti test was conducted for Black Box Voting in collaboration with the County Clerk of Emery County, Utah, on a Diebold TSx touch-screen. In response to these successful hacks,

California's Secretary of State commissioned a special report by scientists at UC Berkeley to investigate the results and confirm the validity of the testing methodology used in the Hursti Hack. The UC Berkeley scientists wrote a Special Report on the Diebold Accuvote Voting Machine. These tests were filmed and turned into an acclaimed HBO documentary called Hacking Democracy which was nominated for an Emmy award for outstanding investigative journalism. In March of 2020, In advance of the 2020 Presidential Election, Kill Chain: The Cyber War on America's Elections was released on HBO and features Harri as he takes us through a deep dive into the weaknesses of today's election technology.

<u>Dima Nazzal</u> – Director of Professional Practice, H. Milton Stewart School of Industrial and Systems Engineering, Georgia Tech



Dima Nazzal is an academic faculty member in the H. Milton Stewart School of Industrial and Systems Engineering at Georgia Tech. She is responsible for project-based learning in the Industrial Engineering undergraduate curriculum, including the capstone senior design course, and the cornerstone junior design course. She is also research director of the Center for Health and Humanitarian Systems. Prior to joining Georgia Tech, she was Director of Research and Development at Fortna, Inc., an Engineering Design and Consulting company.

Dr. Nazzal's research focuses on modeling, design, and control of discrete event logistics systems, including healthcare delivery systems, manufacturing systems, and distribution systems. Her recent work has focused on election voting systems, higher education response to COVID-19, understanding and driving higher childhood vaccination rates in developing countries, modeling of collaborative robots in distribution systems; scheduling and dispatching policies in semiconductor manufacturing, and energy systems development. She has worked with companies, nongovernmental organizations, and healthcare providers, including ExxonMobil, Emory University, Samsung, Emory University, Gates Foundation, and Walt Disney World.

Kevin Skoglund - Co-Founder of Citizens for Better Elections



Kevin Skoglund is digital security and election technology expert, and the President and Chief Technologist for Citizens for Better Elections, a non-profit, non-partisan group advocating for evidence-based elections. Kevin serves on the NIST Voting System Cybersecurity Working Group which develops national guidelines for U.S. voting systems, and he is a designated speaker on election security for the U.S. Department of State. His past work includes advising non-profits, counties, cities, and members of the U.S. Congress on voting system technology and election legislation, researching security vulnerabilities, and identifying voting systems connected to the internet. Kevin is also a Judge of Election (chief poll worker) in Pennsylvania.

Philip B. Stark - Associate Dean, Mathematical and Physical Sciences, University of California



My research centers on inference problems, primarily in physical and social sciences. I am especially interested in confidence procedures tailored for specific goals and in quantifying the uncertainty in inferences that rely on numerical models of complex systems. I've done research on the internal structure of Sun and Earth, climate modeling, clinical trials, earthquake prediction, the Big Bang, the geomagnetic field, election integrity, gender bias in academia, geriatric hearing loss, the U.S. census, the effectiveness of Internet content filters, endangered species, spectrum estimation, urban foraging, and information retrieval. I am also interested in nutrition, food equity, and sustainability and am studying whether foraging wild foods in urban environments could contribute meaningfully to nutrition, especially in "food deserts." I am interested in numerical optimization, and have published some software.

I've consulted in product liability litigation, truth in advertising, equal protection under the law, jury selection, election security and contested elections, trade secret litigation, employment discrimination litigation, import restrictions, insurance litigation, natural resource legislation, environmental litigation, patent litigation, sampling in litigation, wage and hour class actions, product liability class actions, consumer class actions, the U.S. census, clinical trials, signal processing, geochemistry, IC mask quality control, targeted marketing, water treatment, sampling the web, risk assessment, and whistleblower cases. I also created SticiGui, an online introductory Statistics "text" that includes interactive data analysis and demonstrations, machine-graded online assignments and exams.

<u>Penny Venetis</u> – Distinguished Clinical Professor of Law, Director of the International Human Rights Clinic, Rutgers University



Penny M. Venetis is the Dickinson R. Debvoise Scholar at Rutgers Law School, where she is a Distinguished Clinical Professor of Law and the Director of the International Human Rights Clinic. She has taught at Rutgers since 1993. Professor Venetis is an expert in both civil rights law and international human rights law, and pioneered efforts to integrate international law into U.S. law. Her scholarship focuses on the intersection of human rights law and constitutional law. She has litigated cases throughout the United States and throughout the world in areas as diverse as equal protection, freedom of speech, immigrants' rights, refugee law, voting rights, human trafficking and gender equality.

Her cutting-edge lawsuits include: the first constitutional law challenge against computerized voting machines that do not produce voter verified paper ballots, because they cannot be audited for accuracy and cannot perform recounts; challenging "residents only" ordinances in multiple states because they are used to keep people of color out of municipal parks'; using international human rights law to challenge horrendous detention conditions for asylum seekers being detained in the U.S.; and challenging EU regulations that did not allow for paternity leave for new parents.

She has devoted twenty years to election integrity matters and was involved in ten lawsuits in the summer of 2020 to ensure that voters had access to paper ballots and secure voting technology. She also successfully defeated efforts to institute internet voting in New Jersey. She has also published extensively on voting integrity issues. Professor Venetis's work has been featured in two documentaries. "I Voted?" premiered at the Tribeca Film Festival in 2016. The film which shows how computerized voting machines can be hacked, and elections stolen, was produced by Katie Couric. Before joining the Rutgers Law faculty, Professor Venetis worked for the United Nations Special Rapporteur Investigating War Crimes in the Former Yugoslavia. Professor Venetis has testified before legislative bodies throughout the country. She has received many awards for her work, including the New Jersey Law Journal's "Lifetime Achievement Award" in 2016.

<u>Shea Roberts</u> – Georgia State House Representative District 52,

Election Transparency/Integrity and Voting Rights Advocate, Giacoma Roberts & Daughdrill, LLC Firm Co-Counsel for Plaintiffs, Coalition for Good Governance v. Raffensperger



Shea Roberts was elected to the Georgia State House of Representatives in November 2020. Prior to her election, she advocated alongside the Coalition for Good Governance for transparent and secure elections, including the implementation of hand-marked paper ballots in Georgia. Since her election, Representative Roberts has worked with CGG on bi-partisan election transparency legislation. A version of her bill (HB659), which requires disclosure of ballot images to the public, was incorporated into Georgia's newest election bill SB202. While Representative Roberts is proud transparency was increased by her contribution to SB202, she is troubled by many of the other unconstitutional provisions in the legislation.

David maintains a robust pro bono practice focusing on civil rights. He currently leads a team that obtained a statewide injunction on behalf of Georgia voters to prevent the continued use of an antiquated election system that had been hacked multiple times. David obtained critical admissions from the defendants' election security expert that confirmed the unreliability of the outdated election system. That case is ongoing due to Georgia's adoption of a new, unreliable election system.

<u>Courtney Hostetler</u> – Senior Counsel, Free Speech For People, co-lead counsel,

NAACP NC v. North Carolina State Board of Elections



Courtney Hostetler is the Counsel for Free Speech For People. Previously, Ms. Hostetler served as staff attorney for South Coastal Counties Legal Services, where she helped low-income clients recover damages for wage theft and employment discrimination, and obtained special education services for traumatized children. Ms. Hostetler also worked at Zalkind Duncan & Bernstein LLC and ACLU Massachusetts, where she focused on eliminating discriminatory discipline practices in public schools. Prior to attending law school, Ms. Hostetler managed the Close Up Foundation's national youth voting program and worked as a research analyst for the Genocide Intervention Network. Ms. Hostetler clerked for the Honorable James L. Dennis of the United States Courts of Appeals for the Fifth Circuit. Ms. Hostetler graduated with a J.D. from Yale Law School, an M.Phil from Oxford University, and a B.A. from Colgate University.

Robert McGuire – The Robert McGuire Law Firm, co-lead counsel for Coalition for Good Governance plaintiffs in *Curling v. Raffensperger*



The Robert McGuire Law Firm was founded in 2009 as a civil litigation, advocacy, and advisory practice in Denver, Colorado. In 2016, the firm expanded with the addition of a Washington State presence. The firm is currently involved in active cases across the United States serving domestic and international clients. McGuire's early professional experience and training came from one of the world's largest law firms, Allen & Overy LLP in London. McGuire serves as counsel on all of the firm's matters. Publications & Speaking:

Panelist, DEF CON 27 Voting Machine Hacking Village, The Devil Went Down to Georgia. Did He Steal Souls? (Georgia's Electronic Voting Saga) (Aug. 10, 2019).

lan Ayres & Robert McGuire, Using the False Claims Act to Remedy Tax-Expenditure Fraud, 66 Duke L.J. 535 (2016)

Panelist, Institute for Law & Economic Policy, 22nd Annual Symposium: Vindicating Virtuous Claims (Apr. 2016)

Marybeth Kuznik - Director of Elections, Armstrong County, Pennsylvania



Marybeth Kuznik is the Director of Elections in Armstrong County, Pennsylvania and President of the voting rights organization VotePA, which she co-founded. She is a licensed attorney and 2020 J.D. graduate of the Duquesne University School of Law, where she founded the school's Election Law Society. Prior to law school, Marybeth became known for her strong advocacy on behalf of fair and accurate elections both in Harrisburg, PA and on Capitol Hill in Washington D.C. Earlier, she worked on the ground in Ohio as one of the original nine regional coordinators of the 2004 Ohio Recount and served as a pollworker for over 20 years in Westmoreland County, PA. Marybeth has observed at least 23 examinations of voting systems at the Pennsylvania Department of State, which is unofficially more than any other person except Department of State personnel.

Marcia Ridley - Former Election Supervisor, Spaulding County, Georgia



Dekalb County – With more than 15+ years of experience in elections and records management, elections supervisor Marcia L. Ridley is on a mission to share vital information about Georgia's elections process. Mrs. Ridley currently serves as the election's supervisor in the State of Georgia and has served in many elections' administration related roles over the span of her career. "With the integrity and fairness of the elections process weighing in the balance, now more than ever is the right time to share pertinent elections information" Ridley said. Mrs. Ridley's experience as the deputy registrar of the most prominent counties in Georgia, where she was responsible for streamlining the process to locate and file more than 934,000 voter registration cards to retrieve voter's information timely, has uniquely prepared her to share vital elections information.

With the loss of civil rights icons Congressman John Lewis, Rev. C.T. Vivian, and Rev. Joseph Lowry and many others, Marcia has made it her life's mission to educate, empower, and motivate citizens to engage in the elections process, and carry on the legacy these great men and women who has fought and bled for. Mrs. Ridley has served and as elections administration and expert in which her duties there included administering counties, municipalities, federal, and state elections. She has deputized over 3000 people in the State of Georgia. She oversees the qualifying officer in the State of Georgia. Her commitment to serving the community and the State of Georgia is further demonstrated through maintaining current and to date election. Marcia played a vital role in the implementing the new Voter System in the State of Georgia. She has hired and trained poll worker throughout the State of Georgia to administer the voting during elections. The act of voting and elections. She holds the GEOA and Registrars Certification.

Mrs. Ridley's mission of educating citizens about the elections process is deeply rooted in her desire to serve the community. 'I'm proud to be an ambassador for elections and to play a small part in educating the citizens of Georgia" Ridley said. Mrs. Ridley is available to host elections workshops in partnerships with community organizations. Due to COVID-19, she is willing to host workshops via Zoom.

Connie Schmidt - CERA/CMC



Connie Schmidt served as Election Commissioner for Johnson County, Kansas from September 1995 to December 2004. Reappointed to serve as Election Commissioner for Johnson County in February 2020 - January 2021. Has worked in local government in Johnson County, Kansas for a total of 32 years and previously served as City Clerk for the City of Merriam, Kansas. Since 2005 has owned an election consulting business and has provided consulting services to numerous local and state agencies. Has also provided consulting services to the U.S. Election Assistance Commission (EAC) and served as the co-project manager for the EAC's Election Management Guidelines/Quick Start Guides and EAC's Successful Practices in Poll Worker Recruitment, Training and Retention Guidebook. At the national level served as the chair of the Professional Education Certification Board for the Election Center, and as a member of the NASED Voting Systems Standards Board. At the state level, she served as a member of the State of Kansas HAVA Implementation Committee. Received the National Association of Secretaries State (NASS) Medallion Award in January 2021 for excellent service to the Johnson County Kansas Election Office during Presidential 2020 election cycle. Also in December 2004 received the National Association of Secretaries of State (NASS) Medallion Award for outstanding service to American democracy. In August 2005 received a Lifetime Membership Award from the Election Center, Inc. and in August 2007 received the Election Hall of Fame Award from The Election Center, Inc.

During her tenure as Election Commissioner, Connie Schmidt successfully implemented three computerized voting systems, and has provided consulting services to support implementation of voting systems in jurisdictions nationwide. She also authored various chapters on acceptance testing; preelection testing; system/facility security; and developing an audit trail for the Election Assistance Commission's Election Management Guidelines.

<u>Grace Wachlarowicz</u> – Retired Director of Elections Minneapolis, Minnesota



Grace Wachlarowicz recently retired as the Assistant City Clerk, Director of Elections & Voter Services for the City of Minneapolis. For over 25 years, Grace administered all facets of municipal, school district, state, and federal elections. Most recently, she led election administration for the City of Minneapolis, the third largest electoral jurisdiction in Minnesota. Minneapolis is a diverse community with an estimated population of 430,000 and 270,000 registered voters. In her 9-year tenure with the City of Minneapolis, Grace shaped and implemented the Voter Outreach & Education program, helped redesign and grow the Student Election Judge Program, and continuously refined the City's Ranked Choice Voting method. The City of Minneapolis also experienced growth in voter turnout under Grace's leadership – especially gaining a higher turnout percentage in local and mid-term elections than was seen in the previous decade.

Grace has a degree in Business Administration, and she is a Certified Elections/Registration Administrator (CERA) through the Election Center, a National Association of Election Officials. Grace's true passion is public service through election administration. She is regularly called upon for advice and guidance and intends to stay active in elections, both at a local and national level, throughout her retirement.

<u>Virginia Martin</u> – Former Democratic Election Commissioner in Columbia County, New York



Virginia Martin served as Democratic Election Commissioner in Columbia County, New York from 2008 to early 2020. She received her PhD from Rensselaer Polytechnic Institute in rhetoric and communication and has taught at both RPI and the University at Albany. Since the introduction of optical scanners in 2010, she and her Republican counterpart conducted full hand counts of paper ballots in every election. They developed an efficient, prompt, cost-effective, and fully secure bipartisan process that welcomed public oversight and resulted in high levels of public confidence. The process's modest funding was spent locally on appreciative and well-trained poll workers. Martin is frequently called upon by various organizations and the media to speak about that process and has testified in courts around the country regarding election administration.

<u>Christopher Deluzio</u> – Policy Director of the University of Pittsburgh Institute for Cyber Law, Policy, and Security (Pitt Cyber)



Chris Deluzio is the policy director of the University of Pittsburgh Institute for Cyber Law, Policy, and Security (Pitt Cyber), where he focuses on the intersection of technology and civil rights (especially voting rights, elections, and government algorithms). His writing and commentary have been covered in media outlets across the country. Chris's recent reports offered a blueprint for Pennsylvania's election during the COVID-19 public health crisis and called for more robust federal oversight of election vendors. He previously served as Pitt Cyber's law and policy scholar, supporting The Blue Ribbon Commission on Pennsylvania's Election Security. Chris has provided testimony about election security before the Pennsylvania Senate and the Allegheny County Board of Elections and was an author of a recent report about the need for

further federal election security funds and an analysis of Pennsylvania counties' selections of new voting systems. He represents Pitt Cyber in the Pennsylvania Election Protection coalition. In Chris's prior role as Counsel in the Democracy Program at the Brennan Center for Justice at the New York University School of Law, his work focused on elections and voting rights. His Brennan Center writing included nationally recognized work on voter purges, a procurement guide to assist in the selection and management of election vendors, and legal analysis of speech restrictions in polling places.

Chris was previously a litigation associate in private practice and, earlier in his career, served as a law clerk to Judge Richard J. Sullivan of the U.S. District Court for the Southern District of New York. Deluzio received his Juris Doctor magna cum laude from Georgetown Law in 2013. Deluzio received a Bachelor of Science degree with merit from the United States Naval Academy in Annapolis. Following graduation from Annapolis, he served as an active-duty naval officer. Chris volunteers as a pro bono attorney with The Veterans Consortium representing veterans before the U.S. Court of Appeals for Veterans Claims, as a Veteran Mentor in the Allegheny County Veterans Treatment Court, as a pro bono attorney representing indigent tenants in mediation in Allegheny County, and as a Naval Academy Blue and Gold Officer mentoring and interviewing applicants to Annapolis.

<u>Jeanne Dufort</u> – Vote Integrity Activist, Coalition for Good Governance



Jeanne Dufort is a vote integrity activist from Madison, Georgia, and has been a plaintiff, with Coalition for Good Governance, in several lawsuits that have changed voting procedures in Georgia. A retired senior executive from the home furnishings industry, she spent decades working internationally and has significant expertise in cost analysis and supply chain management. In 2005, she created a real estate business with special focus on farms, homes with acreage, lakefront and historic properties. Jeanne serves on the State and Local Governance committee for Georgia REALTORS(r), helping shape their legislative priorities. Jeanne majored in American Political Science at the University of Chicago - it's a passion that informs her lifelong commitment to "doing governance".

Edward Perez - Global Director of Technology Development & Open Standards for the OSET Institute



Eddie is the Global Director of Technology Development & Open Standards for the OSET Institute. He focuses on election administration, election technology, technology policy research, and government relations. He also is a principal liaison to the TrustTheVote Project Election Officials Stakeholder Community.

Mr. Perez brings a wealth of expertise in election systems design, implementation, security, usability, and standards. He is a veteran of the commercial election technology industry and formerly served as director of product management for one of the three major voting systems vendors in the U.S. Working closely with election officials across the U.S. for over 15 years before joining the OSET Institute, Edward utilized his skills to drive voting technology design, federal and state certification, field service and support, and voter education initiatives.

Mr. Perez is an NBC News contributing analyst on election systems and administrative practices, including technology, security, and public policy issues. Eddie is also a regular contributor to media outlets such as The Washington Post, The Associated Press, POLITICO, and The MIT Technology Review. He also speaks regularly on election technology and administration, including recently, providing public testimony before the U.S. Election Assistance Commission; The National Academies of Sciences, Engineering, and Medicine (NASEM), Committee on the Future of Voting; and The National Conference of State Legislatures (NCSL), Future of Elections: Technology Policy and Funding Conference. Edward is co-inventor of U.S. patents US8985435B2 and US10438433B2 in the domain of voting technology assigned to Hart InterCivic, Inc. Mr. Perez earned his Master's degree (Political Science) from the University of California, Berkeley and his undergraduate degree (Government) from Georgetown University.

Rev. Dr. T. Anthony Spearman – President, North Carolina State Chapter of the NAACP &

Board Member, Guilford County, North Carolina Board of Elections



Rev. Dr. T. Anthony Spearman has a Bachelor of Science Degree Summa Cum Laude from Mercy College in Yonkers, N.Y. in 1995; a Master of Divinity Degree Magna Cum Laude from Hood Theological Seminary in Salisbury, N.C. in 1998; and a Doctor of Ministry from the United Theological Seminary in Dayton, Ohio in 2003. Dr. Spearman is also a certified AIDS Counselor with the JRW Institute of Alcohol Studies in New York. Dr. Spearman is an ordained minister with the African Methodist Episcopal Zion Church denomination (A.M.E. Zion). Prior to his pastoral career, Dr. Spearman worked in correctional institutions, hospitals, colleges, and community based programs as a substance abuse counselor.

Dr. Spearman's father was a great influence in his life. Back in the early sixties his father purchased NAACP memberships for his three children and said, "Always keep your membership up in the NAACP. You will spend a lifetime fighting for justice." He is a Life Member of the NAACP, and has been a member for 53 years. Dr. Spearman has been a courageous and controversial servant in the NC NAACP in the Historic Thousands on Jones Street Movement (HKonJ), and the Moral Monday Movement. In 2011, he was named the NC NAACP Minister of the Year. He served as the Third Vice President of the NC NAACP from 2011 – 2017, and was elected president in October 2017.

Dr. Spearman has won numerous awards including the Regional AIDS Interfaith Network Golden Shovel Award in 2001, Spirit of King Award in 2007, Equality NC Champion of Equality Award in 2011, and the Catawba County Democrats Spirit of Democracy Award in 2013. Dr. Spearman is well known as a civil rights activist. He has been a plaintiff in three lawsuits challenging policies of the State government. In 2016, Spearman played an important role in the Voter Suppression litigation that resulted in a great public outcry about Voter ID and other legislation that would suppress votes in minority and poor white communities. Dr. Spearman is presently a plaintiff in the 2017 Instruct our Lawmakers suit, challenging the N.C. Lt. Governor and other legislators of violating the state Constitution by giving no notice for a "special December session" to ram through laws to undercut the Governor's power. room lawmaking, where the public does not hear about it until it's too late to do anything.

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