ABSTRACT: This panel will explore how academics and technologists view the development and implementation of future voting systems, looking forward to 2016, 2020 and beyond.

Moderator: Daniel Castro is a senior analyst with the Information Technology and Innovation Foundation (ITIF), a non-profit, non-partisan public policy think tank. Mr. Castro leads the ITIF Accessible Voting Technology Initiative (http://elections.itif.org), a research project funded by the Election Assistance Commission (EAC) to develop new solutions for accessible elections, and previously led the Military Heroes Initiative, an EAC-funded research project that investigated the accessibility of voting for veterans with disabilities. In addition, he writes and speaks on a variety of issues related to information technology and Internet policy. Before joining ITIF, Mr. Castro worked as an IT analyst at the Government Accountability Office (GAO) where he audited IT security and management controls at various government agencies. He has a B.S. in Foreign Service from Georgetown University and an M.S. in Information Security Technology and Management from Carnegie Mellon University.

David Wagner is Professor of Computer Science at the University of California at Berkeley, with expertise in the areas of computer security and electronic voting. He has published over 100 peer-reviewed papers in the scientific literature and has co-authored two books on encryption and computer security. His research has analyzed and contributed to the security of cellular networks, 802.11 wireless networks, electronic voting systems, and other widely deployed systems. He is a member of the Election Assistance Commission's Technical Guidance Development Committee and a founding member of the ACCURATE center.

Joseph Lorenzo Hall is the Senior Staff Technologist at the Center for Democracy & Technology, a Washington, DC-based non-profit organization dedicated to ensuring the internet remains free, open and innovative. Prior to joining CDT in 2012, Hall was a postdoctoral research fellow with Helen Nissenbaum at New York University, Ed Felten at Princeton University and Deirdre Mulligan at University of California, Berkeley.

Dr. Juan E. Gilbert is the Presidential Endowed Chair in Computing, an IDEaS Professor and Chair of the Human-Centered Computing Division in the School of Computing at Clemson University where he leads the HCC Lab. He is also a Professor in the Automotive Engineering Department at Clemson University. He is a PI on the U.S. Election Assistance Commission Accessible Voting Technology Initiative. Dr. Gilbert is a Fellow of the American Association for the Advancement Science (AAAS), an ACM Distinguished Scientist, National Associate of the National Research Council of the National Academies, an ACM Distinguished Speaker and a Senior Member of the IEEE Computer Society. In 2011, Dr. Gilbert was given a Presidential Award for Excellence in Science, Engineering and Mathematics Mentoring by President Barack Obama.

Josh Benaloh is Senior Cryptographer at Microsoft Research and an elected director of the International Association for Cryptologic Research. He earned his S.B degree from the Massachusetts Institute of Technology and M.S., M.Phil., and Ph.D. degrees from Yale University where his 1987 doctoral dissertation, Verifiable Secret-Ballot Elections, introduced the use of homomorphic encryption to enable end-to-end verifiable election technologies. Dr. Benaloh's numerous research publications in cryptography and voting have pioneered new technologies including the "cast or spoil" paradigm which brings voters into the verification process with minimal burden. He has served on the program committees of dozens of cryptography and election-related conferences and workshops and is a frequent speaker on the history, development, and mechanisms behind verifiable voting.