

Keynote Speakers



Thomas Bossert

Assistant to the President, Homeland Security and Counterterrorism and Deputy National Security Advisor

Tom Bossert is currently Assistant to the President for Homeland Security and Counterterrorism and the Deputy National Security Advisor. Prior to his position in the White House, Mr. Bossert was a Zurich cyber risk fellow with the Atlantic Council's Cyber Statecraft Initiative.

He was also the president of Civil Defense Solutions, a risk management consulting firm. He previously served as deputy

assistant to the President for Homeland Security, where he advised President Bush on homeland security, counterterrorism, and continuity of operations, and coordinated the US government's homeland security and counterterrorism policies. Mr. Bossert earned a bachelor's degree from the University of Pittsburgh and a law degree from The George Washington University Law School.



Frances F. Townsend

Executive Vice President, MacAndrews & Forbes Incorporated

Frances Fragos Townsend is executive vice president for worldwide government, legal, and business affairs at MacAndrews and Forbes Incorporated. She works across MacAndrews' portfolio companies focusing on international, legal, compliance, and business development issues. Prior to that, she was a corporate partner with the law firm of Baker Botts, LLP. From 2004 to 2008, Ms. Townsend served as assistant to President George W. Bush for homeland security and counterterrorism and chaired the Homeland Security

Council. She also served as deputy national security adviser for combating terrorism from May 2003 to May 2004.

Ms. Townsend spent 13 years at the U.S. Department of Justice under the administrations of Presidents George H.W. Bush, Bill Clinton, and George W. Bush. She has received numerous awards for her public service accomplishments. She is a director on the board of three public companies, where she serves on compliance, compensation, and governance committees. She also serves on three private company boards, where she chairs all three compensation committees and is the chairwoman of one board. She also serves on several government advisory and nonprofit boards. Ms. Townsend is a trustee of the New York City Police Foundation, the Intrepid Sea, Air & Space Museum, and the Center for Strategic and International Studies. She is also a member of the Council on Foreign Relations and the Trilateral Commission. She is an on-air analyst for CNN and has regularly appeared on network and cable television as a foreign policy, counterterrorism, and national and homeland security expert.

Conference Speakers



Dmitri Alperovitch

Co-founder and CTO, CrowdStrike Inc.

Dmitri Alperovitch is the Co-Founder and CTO of CrowdStrike Inc., a leading provider of next-generation endpoint security, threat intelligence and incident response services. A renowned computer security researcher, he is a thought-leader on cybersecurity policies and state tradecraft and has served as special advisor to Department of Defense. Prior to founding CrowdStrike, Dmitri was a Vice President of Threat Research at McAfee, where he led company's global Internet threat intelligence analysis and investigations.

In 2016, Alperovitch revealed the suspected Russian intelligence agencies' hacking of the Democratic National Committee (DNC), events which unveiled the full scope of cyber influence operations being launched against the US 2016 Election. Alperovitch was named one of the "Politico 50" thinkers, doers and visionaries transforming American politics. In 2013, Alperovitch received the prestigious recognition of being selected as MIT Technology Review's "Young Innovators under 35" (TR35), an award previously won by such technology luminaries as Larry Page and Sergey Brin, Mark Zuckerberg and Jonathan Ive.



Stewart Baker

Partner, Steptoe & Johnson LLC

Stewart Baker is a partner in the law firm of Steptoe & Johnson in Washington, D.C. From 2005 to 2009, he was the first Assistant Secretary for Policy at the Department of Homeland Security. His law practice covers homeland security, international trade, cybersecurity, data protection, and travel and foreign investment regulation.

As an intelligence lawyer, Mr. Baker has been General Counsel of the National Security Agency and of the commission that investigated WMD intelligence failures prior to the Iraq war. He is the author of *Skating on Stilts*, a book on terrorism, cybersecurity, and other technology issues, and the blogs about such topics on www.skatingonstilts.com.



William A. Carter

Associate Director, Technology Policy Program, CSIS

William A. Carter is associate director of the Technology Policy Program at CSIS. His work focuses on international cyber policy issues, including data localization, surveillance and privacy, cyber conflict and deterrence, financial sector cybersecurity, and encryption. Before joining CSIS, he worked in the Goldman Sachs Investment Strategy Group, advising private and institutional clients on their short- to medium-term asset allocation decisions. In that role, he performed research and analysis on all investable asset classes, as well as geopolitics and the macro economy, and

produced reports and presentations on international affairs and current events. He has worked at the Council on Foreign Relations and at Caxton Associates, a New York hedge fund. He graduated from New York University with a B.A. in economics.



Michael Daniel

President, Cyber Threat Alliance

Michael Daniel is President of the Cyber Threat Alliance and the former Special Assistant to the President and Cybersecurity Coordinator at the White House. For four and a half years, Daniel led the development of national and international cybersecurity strategy and policy for the United States and oversaw implementation of those policies; in this capacity, he ensured that the Federal Government was effectively partnering with the private sector, nongovernmental organizations, other branches and levels of government, and other nations. Prior to his current position, he

spent 17 years at the Office of Management and Budget, where he played a key role in shaping intelligence budgets and resolving major policy issues including cybersecurity. He received a B.A. in public policy from Princeton and an M.A. in public policy from Harvard.



Rajesh De

Partner, Mayer Brown

Raj De is a partner in Mayer Brown's Washington DC office and leads the firm's global Cybersecurity & Data Privacy practice. He is also co-leader of the firm's National Security practice group, and a member of the firm's Congressional Investigations & Crisis Management team. Raj returned to Mayer Brown in 2015 after serving as General Counsel at the United States National Security Agency (NSA). Raj focuses his practice on cutting-edge legal and policy issues at the nexus of technology, national security, law enforcement and privacy,

including strategic cybersecurity counseling and related representation.

As General Counsel of the NSA, Raj served as the agency's chief legal officer and senior advisor to the NSA Director. He supervised an office of approximately 100 lawyers and staff that handled litigation and provided legal advice across a range of issue areas, including foreign intelligence, cybersecurity, government contracts, intellectual property, research and technology, administrative law, government ethics and pending legislation. As a member of the NSA's senior leadership team, Raj represented the agency regularly with senior officials across the executive branch, as well as before the United States Congress, the Foreign Intelligence Surveillance Court and European and other foreign governments.

Prior to his service at the NSA, Raj served in the White House as Staff Secretary and Deputy Assistant to the President of the United States. In that capacity, he was responsible for managing all written material provided to the President. Prior to his White House role, Raj served as Principal Deputy Assistant Attorney General in the Office of Legal Policy at the Department of Justice. In that capacity, he worked closely with the Attorney General and senior DOJ leadership, litigating components and enforcement agencies on policy development and implementation across subject areas that included civil rights, criminal justice, national security and civil litigation. Raj started his career at DOJ, where he was a trial lawyer in the Antitrust Division under the Attorney General's Honors Program.

Raj served as Counsel to the "9/11 Commission", conducting scores of interviews with United States government and foreign officials and drafting sections of the 9/11 Commission's widely recognized final public report. After, he served as Counsel to a special bipartisan staff of the United States Senate Committee on Homeland Security and Governmental Affairs, where he was a primary drafter and negotiator of the intelligence reform legislation that implemented the 9/11 Commission's recommendations for the appointment of a Director of National Intelligence and the establishment of a National Counterterrorism Center. During his earlier time as a partner at Mayer Brown, Raj served on a pro bono basis as General Counsel to the Commission on the Prevention of Weapons of Mass Destruction Proliferation and Terrorism, a bipartisan blue-ribbon panel charged with making recommendations to the President and Congress.

Earlier in his career, Raj clerked for the Honorable A. Wallace Tashima of the United States Court of Appeals for the Ninth Circuit in Pasadena, California. He graduated magna cum laude from both Harvard Law School and Harvard College.



Shane Harris

Senior Writer, National Security, The Wall Street Journal

Shane Harris is an author and journalist who has written extensively about intelligence and national security. He is a senior writer at The Wall Street Journal. His latest book *@War: The Rise of the Military-Internet Complex* explores the frontlines of America's new cyber war. (Eamon Dolan/Houghton Mifflin Harcourt, 2014) Shane's first book, *The Watchers*, tells the story of five men who played central roles in the creation of a vast national security apparatus and the rise of surveillance in America (Penguin Press, 2010). *The*

Watchers won the New York Public Library's Helen Bernstein Book Award for Excellence in Journalism, and the Economist named it one of the best books of 2010. Shane is the winner of the 2010 Gerald R. Ford Prize for Distinguished Reporting on National Defense. He has four times been named a finalist for the Livingston Awards for Young Journalists, which honor the best journalists in America under the age of 35.

Shane is also an International Security Program fellow at New America. His work has appeared in The New York Times, Slate, TheAtlantic.com, National Journal, The Washington Post, The Bulletin of the Atomic Scientists, and the U.S. Naval Institute's Proceedings. He has provided analysis and commentary for CNN, NPR, the BBC, The History Channel, National Geographic, several foreign media organizations and many local public radio stations.

Shane has previously been a senior writer at The Daily Beast and Foreign Policy magazine. As the senior writer for Washingtonian magazine, he was part of the team that won the publication its 2011 award for Excellence in Writing from the City and Regional Magazine Association. In 2012, Washingtonian won the coveted General Excellence award for the print magazine and Web site, where Shane wrote a blog on national security called Dead Drop.

From 2005 to 2010, Shane was a staff correspondent for National Journal, where he wrote about intelligence and homeland security. Before that post, he was the technology editor and a staff correspondent at Government Executive magazine. Shane also was the managing editor for Movieline magazine in Los Angeles. He began his journalism career in 1999, as the research coordinator and a writer for Governing magazine in Washington.

Shane graduated from Wake Forest University with a B.A. in Politics in 1998. He is also a fiction writer. While living in Los Angeles, he helped found and served as the artistic director of a sketch comedy troupe. Shane is a Sundance Film Festival screenwriting finalist. He lives with his husband in Washington, D.C.

Matt Hartley

Director, ForeScout Technologies

Matt Hartley is the Federal Sales Director at ForeScout Technologies since August 2015, providing Continuous Monitoring & Risk Mitigation offerings, including Real-Time visibility, Incident Response Orchestration, and Network Access Control (NAC) for traditional IT assets and IoT devices.

Prior to his position at ForeScout Technologies, he worked as the general manager and sales SVP for Optio Labs since 2013. Prior, he was the Director of Federal Sales at MobileIron since 2011. Before then, he was the regional sales manager at BMC Software from 2009., and the manager of Public Channel Sales at VMware since 2005. He also worked at Dell's Enterprise Sales team from 2002.



Susan Hennessey

Fellow, National Security in Governance Studies and Managing Editor, Lawfare, Brookings Institution

Susan Hennessey is a Fellow in National Security in Governance Studies at the Brookings Institution. She is the Managing Editor of Lawfare, which is devoted to discussion of "Hard National Security Choices." She focuses on national security issues surrounding cybersecurity, surveillance, federal terrorism prosecutions, and congressional oversight of the intelligence community.

Prior to joining Brookings, Ms. Hennessey was an attorney in the Office of General Counsel of the National Security Agency. At the NSA, she advised operational elements on matters relating to Information Assurance and Cybersecurity and represented the Agency on cybersecurity legislation and related executive actions. Hennessey received her J.D. from Harvard Law School and B.A. from the University of California, Los Angeles.



Jamil Jaffer

Vice President for Strategy & Business Development, IronNet Cybersecurity

Jamil N. Jaffer currently serves as the Vice President for Strategy and Business Development at IronNet Cybersecurity, a startup technology firm founded by Gen. Keith Alexander, former Director of the NSA and Matt Olsen, the former Director of the National Counterterrorism Center. Mr. Jaffer also currently serves as an Adjunct Professor and Director of the Homeland and National Security Law Program at the George Mason University School of Law.

Prior to joining IronNet, Mr. Jaffer served as the Chief Counsel and Senior Advisor for the U.S. Senate Committee on Foreign Relations, where he advised the Chairman of the Committee and served as the lead architect of a number of Bills on national security. Mr. Jaffer also served as an Adjunct Professor at George Washington University's Elliott School of International Affairs where he co-taught a graduate seminar on the fundamentals of intelligence.

Prior to joining the Senate Foreign Relations Committee, Mr. Jaffer served as Senior Counsel to the House's Permanent Select Committee on Intelligence where he worked on cybersecurity, counterterrorism, and surveillance matters. In that position, Jamil served as the lead architect of the Cyber Information Sharing and Protection Act (CISPA) and conducted intelligence agency oversight. Prior to serving on Capitol Hill, Mr. Jaffer worked at Kellogg Huber, a Washington, DC-based trial litigation firm.

Prior to working at the firm, Mr. Jaffer served in the White House as an Associate Counsel to the President, handling Defense Department, State Department, and Intelligence Community matters. In that capacity, Mr. Jaffer also served as one of the White House Counsel's primary representatives to the National Security Council Deputies Committee.

Prior to serving in the White House, Mr. Jaffer served as Counsel to the Assistant Attorney General in the front office of the National Security Division of the U.S. Department of Justice, where he focused on counterterrorism and intelligence matters. Prior, Mr. Jaffer served as Senior Counsel for National Security Law and Policy in the National Security Division, as well as in the DOJ's Office of Legal Policy.

Mr. Jaffer served as a law clerk to Judge Edith H. Jones and Judge Neil M. Gorsuch of the United States Court of Appeals. Mr. Jaffer also worked as a policy aide to Congressman Bob Goodlatte (R-VA), and on a number of political campaigns.

Mr. Jaffer holds degrees from UCLA (B.A. cum laude, Phi Beta Kappa, 1998), the University of Chicago Law School (J.D. with honors, 2003), and the United States Naval War College (M.A. with distinction, 2006). While in law school, Mr. Jaffer served as an editor of the University of Chicago Law Review, Managing Editor of the Chicago Journal of International Law, and National Symposium Editor of the Harvard Journal of Law and Public Policy.



Clete Johnson

Senior Fellow (Non-resident), Technology Policy Program, CSIS

Clete Johnson is a non-resident senior fellow with the CSIS Technology Policy Program. In this role, he directs the CSIS Fellowship for Advanced Cyber Studies Project, an initiative to train the next generation of cybersecurity leaders. In addition to his CSIS affiliation, he is a partner at Wilkinson Barker Knauer, LLP, in Washington, D.C. Mr. Johnson was most recently the senior adviser for cybersecurity and technology at the U.S. Department of Commerce, where he coordinated the department's cybersecurity initiatives and support for the Commission on Enhancing National Cybersecurity. He was also the department's representative for National Security Council staff deliberations on cybersecurity, encryption, and other policy issues at the intersection of technology and security.

Previously, Mr. Johnson was appointed by the Federal Communications Commission (FCC) chairman as the FCC's first chief counsel for cybersecurity. In that position, he helped develop the FCC's cybersecurity mission, focusing on creating new legal mechanisms for government collaboration with private-sector stakeholders to improve the security and reliability of communications infrastructure. He was also the primary drafter of the charter for the Cybersecurity Forum for Independent and Executive Branch Regulators, a coordinating body of regulatory agencies presently chaired by the FCC.

Prior to his time at the FCC, Mr. Johnson was Senator John D. Rockefeller IV's designated counsel on the Senate Intelligence Committee and counsel for defense, foreign policy, and international trade. In those roles, he was a leading staffer on bipartisan Senate cybersecurity initiatives and the primary staff drafter of the legislation that codified the National Institute of Standards and Technology's collaborative process to work with industry to develop and update the Cybersecurity Framework. Before his government service, Mr. Johnson worked for a major Washington-based law firm, where he practiced in the areas of international trade, defense, and security.

Earlier, he served as a U.S. Army officer in Germany, Korea, and the Balkans. He is a graduate of the University of Georgia School of Law, where he was editor-in-chief of the Georgia Journal of International and Comparative Law, and he received a master of science degree in international relations from the London School of Economics and Political Science. He received his bachelor's degree from Harvard University, where he graduated cum laude, cross-enrolled at the Massachusetts Institute of Technology for service as executive officer of its Army ROTC Paul Revere Battalion.



Ryan Kazanciyan

Chief Security Architect, Tanium

Ryan Kazanciyan is currently the Chief Security Architect for Tanium, a security and IT solutions company. As the CSA, Ryan will analyze the latest tools and tactics by threat actors and conduct research on emerging forensics analysis techniques, Indicators of Compromise (IOC) and incident remediation strategies.

Ryan has over a decade of experience in incident response, forensic analysis and security assessments. Prior to joining Tanium, Ryan oversaw investigation and remediation efforts at Mandiant, a

FireEye company, partnering with dozens of Fortune 500 organizations impacted by targeted attacks and breaches. Ryan is a frequent presenter at industry conferences and has taught classes on incident response and forensics for corporate security teams and federal law enforcement. Ryan is also a co-author of "Incident Response and Computer Forensics," 3rd Edition (2014).



John Launchbury

Director, Information Innovation Office, DARPA

Dr. John Launchbury joined DARPA as a Program Manager in July 2014 and was named Director of the Information Innovation Office (I2O) in September 2015. In this role he develops Office strategy, staffs the Office, and works with I2O program managers to develop new programs and transition program products. Dr. Launchbury has been instrumental in formulating and implementing I2O research thrusts in programming languages, security, privacy and cryptography.

Before joining DARPA, Dr. Launchbury was chief scientist of Galois, Inc., which he founded in 1999 to address challenges in information assurance through the application of functional programming and formal methods. Under his leadership, the company experienced strong growth, successfully delivered on multiple contract awards and was recognized for thought leadership in high-assurance technology development.

Prior to founding Galois, Dr. Launchbury was a full professor in computer science and engineering at the Oregon Graduate Institute (OGI) School of Science and Engineering, which was subsequently incorporated into the Oregon Health and Science University.

Dr. Launchbury received first-class honors in mathematics from Oxford University in 1985, holds a Ph.D. in computing science from the University of Glasgow and won the British Computer Society's distinguished dissertation prize. In 2010, Dr. Launchbury was inducted as a Fellow of the Association for Computing Machinery (ACM).



James Andrew Lewis

Senior Vice President, Technology Policy Program, CSIS

James Andrew Lewis is a senior vice president at CSIS, where he writes on technology, security, and innovation. Before joining CSIS, he worked at the Departments of State and Commerce as a Foreign Service officer and as a member of the Senior Executive Service. His government experience includes work on a range of politico-military and Asian security issues, as a negotiator on conventional arms transfers and advanced military technology, and in developing policies for satellites, encryption, and the Internet. Lewis led the U.S. delegation to the Wassenaar Arrangement Experts Group on advanced civil and military technologies and was the rapporteur for the 2010, 2013, and 2015 UN Group of Government Experts on Information Security. He was also assigned to U.S. Southern Command for Operation Just Cause and to U.S. Central Command for Operation Desert Shield. He received his Ph.D. from the University of Chicago.

Lewis is an internationally recognized expert on cybersecurity. His writings include “Cybersecurity for the 44th Presidency,” which was noted by President Barack Obama in his first speech on cybersecurity. Lewis is the U.S. lead for a long-running Track II Dialogue on cybersecurity with the China Institutes of Contemporary International Relations, and he has also authored numerous publications on the relationship between technology, innovation, and national power. Another series of reports examined the role of space in national security. His current research examines international security and governance in cyberspace, the relationship between innovation and technology, the future of warfare, and the effect of the Internet on politics. He has served as a member of the Commerce Department’s Spectrum Management Advisory Committee and the State Department’s Advisory Committee on International Communications and Information Policy, and as a member and chair of the Advisory Committee on Commercial Remote Sensing. Lewis is frequently quoted in the press and has testified numerous times before Congress.



Joseph Lorenzo Hall

Chief Technologist, Center for Democracy and Technology

Joseph Lorenzo Hall is the Chief Technologist and Director of the Internet Architecture project at the Center for Democracy & Technology, a Washington, DC-based non-profit advocacy organization dedicated to ensuring the internet remains open, innovative and free. Hall's work focuses on the intersection of technology, law, and policy, working to ensure that technical considerations are appropriately embedded into legal and policy instruments. Supporting work across all of CDT's programmatic areas, Hall provides substantive technical expertise to CDT's programs, and interfaces externally with CDT supporters,

stakeholders, academics, and technologists. Hall leads CDT's Internet Architecture project, which focuses on embedding human rights values into core internet standards and infrastructure, engaging technologists in policy work, and producing accessible technical material for policymakers.

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. Hall received his Ph.D. in information systems from the UC Berkeley School of Information in 2008. His Ph.D. thesis used electronic voting as a critical case study in digital government transparency. In his postdoctoral work, he developed techniques to increase the efficiency and usability of accountability mechanisms in electronic elections. Hall holds master's degrees in astrophysics and information systems from UC Berkeley and was a founding member of the National Science Foundation's ACCURATE Center (A Center for Correct, Usable, Reliable, Auditable and Transparent Elections). He has served as an expert on independent teams invited by the States of California, Ohio and Maryland to analyze legal, privacy, security, usability and economic aspects of voting systems. Hall is the Vice-Chairman of the Board of Directors of the California Voter Foundation, a member of the Board of Directors of the Verified Voting Foundation and a member of the Federal Communications Commission's Computer Security, Reliability, and Interoperability Council (CSRIC) IV. In 2012, Hall received the John Gideon Memorial Award from the Election Verification Network for contributions to election verification.



John Lynch

Chief, Computer Crime and Intellectual Property Section, Criminal Division, U.S. Department of Justice

John Lynch is the Chief of the Computer Crime and Intellectual Property Section (CCIPS). He joined the Section in 1997 and had served in various roles there before being selected as Chief in 2012. He supervises the Section's prosecutions, policy and legislative development, outreach and training, legal advice and laboratory support for computer crime, intellectual property, electronic evidence and cybersecurity.



Valecia Maclin

Director, Cybersecurity & Special Missions, Raytheon

Valecia Maclin is the Program Director in the Cybersecurity and Special Missions (CSM) business in Intelligence, Information and Services (IIS) within Raytheon Company (NYSE: RTN), a technology and innovation leader specializing in defense, civil government and cybersecurity markets throughout the world.

Maclin has leadership responsibility for key cybersecurity programs and services; including defining information sharing, analytics, security operations center (SOC), threat intelligence and operations support services for US government agencies and US coalition partners. Prior to this position she was the Director of Strategic Planning for the \$700 million Mission Operations and Services Business of the Raytheon Company where she was responsible for developing comprehensive strategies to achieve long term market growth; she also was the Director of Homeland Security and Secure Systems for the Raytheon Information Solutions Business, where she directed a portfolio of \$100 million in annual sales and bookings and led a staff of 400 responsible for delivering solutions to federal agencies charged with securing our Nation's borders.

Maclin has also served as the Program Manager for programs with the United States Patent and Trademark Office (USPTO), the Department of Homeland Security (DHS), and the Program Manager and Systems Engineering Director for mission critical programs with the National Aeronautics and Space Administration (NASA), National Oceanic and Atmospheric Administration (NOAA) and Intelligence Agencies.

Maclin has received numerous industry awards and recognition, including a 2008 Black Engineer of the Year Award for Professional Achievement from US Black Engineer and Information Technology Magazine published by Career Communications, Inc, and a co-author for an Air Force Academy Textbook on Project Management.

Maclin holds a Bachelor of Science degree in Mechanical Engineering and Material Science from Duke University; as well as a Master of Science degree in the Management of Technology from the University of Pennsylvania via a joint program with the Wharton School of Business and the School of Engineering. She additionally holds and additionally holds multiple professional certifications including PMP, CISSP, ISSMP and GSLC.

An active community leader, Maclin has coordinated the efforts of metropolitan Washington, DC churches in humanitarian efforts to Africa, as well as regularly works to provide support to the needs of the homeless in her local area. She has been an instructor of computer science and management courses to working professionals and is actively involved in math tutoring for middle school students.



James N. Miller

President, Adaptive Strategies LLC

James N. Miller is the President of Adaptive Strategies, LLC, providing consulting to clients on strategy development and implementation, international engagement, and technology issues. In addition, he is a Senior Fellow at the Harvard Belfer Center for Science & International Affairs, and a Senior Fellow of the Johns Hopkins Applied Physics Lab. He is also a member of the Defense Science Board, the Atlantic Council Board of Directors, the BEI Precision Systems & Space Company Board, the Center for a New American Security Board of Advisors, the Endgame, Inc. Board of Advisors, the International Institute for Strategic Studies and the Council on Foreign Relations.

Previously, as Under Secretary for Policy at the Department of Defense, from May 2012 to January 2014, Miller advised Secretaries Leon Panetta and Chuck Hagel on strategy, policy, and operations, and served as the department's deputy for National Security Council policy-making and crisis management. Miller served previously as Principal Deputy Under Secretary of Defense for Policy under Secretary Robert Gates, guiding reviews of nuclear policy and missile defense, and leading national defense strategies for space and cyberspace. He was awarded the Department of Defense's highest civilian award, the Medal for Distinguished Public Service, four times.

Miller served previously in government as Deputy Assistant Secretary of Defense and as senior staff for the House Armed Services Committee. He also served as Senior Vice President and Director of Studies at the Center for a New American Security, Senior Vice President at Hicks and Associates, Inc., and assistant professor at Duke University. Miller received a B.A. degree with honors in economics from Stanford University, and Master's and Ph.D. degrees in public policy from Harvard Kennedy School.



Scott Montgomery

Vice President, Chief Technical Strategist, Intel Security

Scott Montgomery is vice president and chief technology officer for the Americas and public sector at Intel Security. He runs global government certification efforts and works with industry and government thought leaders and worldwide public sector customers to ensure that technology, standards and implementations meet information security and privacy challenges. Montgomery's dialog with the market helps define government and cybersecurity requirements into McAfee's products and services portfolio and guide Intel Security's policy strategy for the public sector, critical infrastructure, and threat intelligence.

With more than 15 years in content and network security, Montgomery brings a practitioner's perspective to the art and science of cybersecurity. He has designed, built, tested and certified information security and privacy solutions-including firewalls, intrusion prevention systems, encryption, vulnerability scanners, network visibility tools, mail and Web gateways, strong authentication tokens, embedded systems and more. Prior to its acquisition by McAfee, Montgomery ran worldwide product management and corporate strategy for Secure Computing, designing and building products like Sidewinder (now McAfee Firewall Enterprise), Webwasher (now McAfee Web Gateway) and Ironmail (now McAfee Email Gateway).



Greg Nojeim

Senior Counsel and Director of the Freedom, Security, and Technology Project at the Center for Democracy & Technology

Gregory T. Nojeim is a Senior Counsel and Director of the Freedom, Security, and Technology Project at the Center for Democracy & Technology, a Washington, D.C. non-profit public policy organization dedicated to keeping the Internet open, innovative and free. He specializes in protecting privacy in the digital age against intrusion by the U.S. government, and is a recognized expert on the PATRIOT Act, the Foreign Intelligence Surveillance Act, the Electronic Communications Privacy Act, and the application of the Fourth Amendment to electronic surveillance in the national security, intelligence, and criminal arenas.

Greg directs CDT's initiatives that respond to the 2013 disclosures about NSA surveillance and was engaged in CDT's successful efforts to promote the USA FREEDOM Act of 2015, the bill that ended bulk collection of telephone call records under the PATRIOT Act. Nojeim also spearheaded CDT's initiative to promote judicial supervision of surveillance conducted under 2008 amendments to the Foreign Intelligence Surveillance Act.

He is the lead strategist for CDT's cybersecurity work, testifying in both the House and Senate on the impact of cybersecurity proposals on privacy, civil liberties, and technology innovation. Greg authored "Cybersecurity and Freedom on the Internet" published in the Journal of National Security Law and Policy. He is also deeply involved in a multi-year, broad-based project to update the Electronic Communications Privacy Act to account for new technologies, and is the President of Digital 4th, a coalition formed around ECPA reform.

Greg sits on the Board of Directors of the Global Network Initiative, a multi-stakeholder group of companies, human rights and press freedom organizations, academics and investors who collaborate to advance freedom of expression and privacy in the ICT sector. He is a member of the Data Privacy and Integrity Advisory Committee which advises the Department of Homeland Security on privacy matters. As Co-Chair of the Coordinating Committee on National Security and Civil Liberties of the American Bar Association's Section on Individual Rights and Responsibilities, he was one of the lead drafters of the ABA's 2007 policy on the state secrets privilege.

Prior to joining CDT in 2007, Greg was the Associate Director and Chief Legislative Counsel of the ACLU's Washington Legislative Office. At the ACLU, he analyzed the civil liberties implications of terrorism, national security, immigration, and informational privacy legislation. Greg also served for four years the Director of Legal Services of the American-Arab Anti-Discrimination Committee, and conducted much of ADC's work on immigration, civil rights, and human rights. He was an attorney with the Washington, D.C. law firm of Kirkpatrick & Lockhart (now K&L Gates) where he specialized in mergers and acquisitions, securities law, and international trade.

Greg graduated from the University of Rochester in 1981 with a B.A. in Political Science. He received his J.D. from the University of Virginia in 1985 and sat on the Editorial Board of the Virginia Journal of International Law.



Nuala O'Connor

President & CEO, Center for Democracy and Technology

Nuala O'Connor is the President & CEO of the Center for Democracy & Technology, a global nonprofit committed to advancing our digital rights.

She is a vocal advocate for harnessing the potential of the internet and emerging technologies to increase equality, amplify voices, and promote human rights. At CDT, Nuala leads a diverse team that is driving policy solutions that advance the rights of the individual in the digital age. Her experience working in the federal government,

multinational corporations, tech start-ups, and noted law firms informs her innovative and collaborative leadership approach.



Chris Painter

Coordinator for Cyber Issues, U.S. Department of State

Mr. Painter is the Coordinator for Cyber Issues, responsible for coordinating and leading the United States' diplomatic efforts to advance an open, interoperable, secure and reliable Internet and information infrastructure. He works closely with components across the public and private sectors to implement the U.S. International Strategy for Cyberspace and ensures that U.S. foreign policy positions on cross-cutting cyber issues are fully synchronized. These issues include promoting norms of responsible state behavior and cyber stability, advancing cybersecurity, fighting cybercrime,

promoting multi-stakeholder Internet governance and advancing Internet freedom.

Prior to joining the State Department, Mr. Painter served in the White House as Senior Director for Cyber Policy and Acting Cyber Coordinator in the National Security Council. During his two years at the White House, Mr. Painter was a senior member of the team that conducted the President's Cyberspace Policy Review and coordinated the development of the U.S. 2011 International Strategy for Cyberspace.

Mr. Painter is a recognized leader in international cyber issues. He has represented the United States in numerous international fora, including chairing the cutting edge G8 High Tech Crime Subgroup from 2002-2012. He has worked with dozens of foreign governments in bilateral meetings and has been a frequent spokesperson and presenter on cyber issues around the globe. He is a recipient of the prestigious RSA Award for Excellence in the Field of Public Policy (2016), the Attorney General's Award for Exceptional Service (2002), the Intelligence Community Legal Award (2008) and has been named to the "Federal 100" list, among other honors. Mr. Painter is a graduate of Stanford Law School and Cornell University.



Jeremy Rabkin

Professor of Law, George Mason University

Jeremy A. Rabkin is a Professor of Law at George Mason University School of Law. Before joining the faculty in June 2007, he was, for over two decades, a professor in the Department of Government at Cornell University. Professor Rabkin serves on the Board of Directors of the U.S. Institute of Peace (originally appointed by President George W. Bush in 2007, then appointed for a second term by President Barack Obama and reconfirmed by the Senate in 2011). He also serves on the Board of Academic Advisers of the American Enterprise Institute and on the Board of Directors of the Center for

Individual Rights, a public interest law firm based in Washington, D.C.

Professor Rabkin's books include *Law Without Nations?* (Princeton University Press, 2005). He authored "If You Need a Friend, Don't Call a Cosmopolitan," a chapter in *Varieties of Sovereignty and Citizenship* (Sigal R. Ben-Porath & Rogers M. Smith eds., University of Pennsylvania Press, 2012). His articles have appeared in major law reviews and political science journals and his journalistic contributions in a range of magazines and newspapers, including the *Washington Post* and *Wall Street Journal*.



Eric Rosenbach

Former Chief of Staff, U.S. Department of Defense

As the Chief of Staff to Secretary of Defense Ash Carter, Eric Rosenbach was one of the senior-most leaders of an organization with 2.8 million personnel, a \$585 billion annual budget and ongoing military operations in multiple locations around the world.

Rosenbach was charged with managing some of the Department's most sensitive decisions and ensuring implementation of transformative changes in the Department's technology, budget, and talent management. He served as the Secretary's closest strategic advisor on the war strategy and global coalition to defeat ISIS, the "rebalance" to Asia and the effort to check Russian aggression. Rosenbach also led the Department's efforts to improve innovation by forging and managing key initiatives such as the Defense Digital Service, the Silicon Valley-based Defense Innovation Unit and the Defense Innovation Board.

Before serving as Chief of Staff, Rosenbach was the Assistant Secretary of Defense, confirmed by the U.S. Senate, responsible for leading all aspects of the Department's cyber strategy, policy and operations. His diverse portfolio as Assistant Secretary also included countering the proliferation of weapons of mass destruction, space operations, antiterrorism, continuity of government and defense support to civil authorities. As the Deputy Assistant Secretary of Defense for Cyber Policy, Rosenbach led the Department's efforts to counter cyberattacks by Iran and North Korea on US critical infrastructure and deter Chinese theft of American firms' intellectual property.

Earlier, Rosenbach worked at the Harvard Kennedy School as the Executive Director for Research at the Belfer Center for Science and International Affairs. In addition to managing the Center's research and fellowship programs, Rosenbach taught graduate-level classes on cyber and counterterrorism. Prior to his work at Harvard, he served as national security advisor for then-Senator Chuck Hagel and as a professional staff member on the Senate Select Committee on Intelligence where he led oversight of Intelligence Community counterterrorism programs.

In the private sector, Rosenbach led the cybersecurity practice of a global management consulting firm that advised the executives of Fortune 500 companies on strategic risk mitigation strategies. Earlier in his career, he worked as the Chief Security Officer for Tiscali, the largest pan-European internet service provider, where he was responsible for all aspects of the firm's cybersecurity.

A former Army intelligence officer and Commander of a telecommunications intelligence unit, Rosenbach led a team that worked closely with NSA to provide strategic intelligence in direct support of commanders in Bosnia and Kosovo. The Director of Central Intelligence named his unit as the top intelligence organization in the U.S. military for two consecutive years.

He was a Fulbright Scholar and holds a Juris Doctor from Georgetown, Masters of Public Policy from the Harvard Kennedy School, and Bachelor of Arts from Davidson College.



Michael Walker

Program Manager, Information Innovation Office, DARPA

Mike Walker joined DARPA as a program manager in January 2013. His research interests include machine reasoning about software in situ and the automation of application security lifecycles.

Prior to joining DARPA, Mr. Walker worked in industry as a security software developer, Red Team analyst, enterprise security architect and research lab leader. As part of the Computer Science Corporation "Strikeforce" Red Team, Mr. Walker helped develop the HEAT Vulnerability Scanner and performed Red Team engagements.

Serving as a principal at the Intrepidus Group, Mr. Walker worked on Red Teams that tested America's financial and energy infrastructure for security weaknesses. Also, on the DARPA SAFER Red Team, Mr. Walker discovered flaws in prototype communications technologies.

Mr. Walker has participated in various roles in numerous applied computer security competitions. He contributed challenges to DEF CON Capture the Flag (CTF) and competed on and led CTF teams at the highest levels of international competition. Mr. Walker was formerly a mentor of the Computer Security Competition Club at Thomas Jefferson High School for Science and Technology (TJHSST).



Daniel Weitzner

Director & Principal Research Scientist, MIT Computer Science and Artificial Intelligence Laboratory

Daniel J. Weitzner is the Founding Director of the MIT Internet Policy Research Initiative and Principal Research Scientist at the MIT Computer Science and Artificial Intelligence Lab. His group studies the relationship between network architecture and public policy, and develops new Web architectures to meet policy challenges such as privacy and intellectual property rights. He teaches Internet public policy in the MIT Electrical Engineering and Computer Science Department.

From 2011-2012, Weitzner was the United States Deputy Chief Technology Officer for Internet Policy in the White House, where he leads initiatives on online privacy, cybersecurity, Internet copyright, and trade policies to promote the free flow of information. He also was Associate Administrator for Policy at the United States Commerce Department National Telecommunications and Information Administration (NTIA). Weitzner was a member of the Obama-Biden Presidential Transition Team.

Weitzner has been a leader in the development of Internet public policy from its inception, making fundamental contributions to the successful fight for strong online free expression protection in the United States Supreme Court, crafting laws that provide protection against government surveillance of email and web browsing data. His work on US legislation limiting the liability of Internet Service Providers laid the foundations for social media services and supporting the global free flow of information online. Weitzner's computer science research has pioneered the development of Accountable Systems architecture to enable computational treatment of legal rules and automated compliance auditing.

At the World Wide Web Consortium, he led the development of security and privacy standards, and Linked Data architectures now used to make data on the Web easier to analyze. While at MIT he launched the Web Science Research Initiative with Tim Berners-Lee, Wendy Hall, Nigel Shadbolt and James Hendler, a cross-disciplinary research initiative promoting research on the technical and social impact of the Web.

Before joining MIT, Weitzner was founder and Deputy Director of the Center for Democracy and Technology, and Deputy Policy Director of the Electronic Frontier Foundation. He has testified before the United States Congress, the European Commission, and leading international bodies.

Weitzner has law degree from Buffalo Law School, and a B.A. in Philosophy from Swarthmore College. His writings have appeared in Science magazine, the Yale Law Review, Communications of the ACM, the Washington Post, Wired Magazine and Social Research. In 2012 he was named to the Newsweek/Daily Beast Digital Power Index as a top Navigator of global Internet public policy. He received the International Association of Privacy Professionals Leadership Award in 2013.



Denise E. Zheng

Director and Senior Fellow, Technology Policy Program, CSIS

Denise E. Zheng is a senior fellow and director of the Technology Policy Program at CSIS, where her work is focused on cyber and emerging technology issues. She brings a unique blend of expertise, including advanced technology research and development, legislative and policy strategy, and private-sector experience. Previously, she served as chief of staff and lead science and engineering technical adviser as a contractor for the Defense

Advanced Research Projects Agency (DARPA) foundational cyber warfare program, Plan X. Before DARPA, Ms. Zheng was director for global government relations and cybersecurity policy at CA Technologies, where she advised company executives on cybersecurity, supply chains, and software assurance issues. While at CA, she was a member of the Information Technology (IT) Sector Coordinating Council, IT Information Sharing and Analysis Center, and SAFECode.

Prior to CA Technologies, Ms. Zheng served as a professional staff member for the Senate Homeland Security and Governmental Affairs Committee. In that role, she was a principal in drafting and negotiations for comprehensive cybersecurity legislation and conducted oversight of critical infrastructure protection programs, spectrum auctions, privacy, and federal IT programs. In addition to writing on technology and cybersecurity issues, she has also authored reports on U.S.-China relations and soft power, and civil space policy issues. Her writing has appeared in the *New York Times* and *Wall Street Journal*, and she has been interviewed by CNN, BBC, CBS, and NPR. Ms. Zheng holds a B.A. in economics and political science from the University of Michigan, studied government at the London School of Economics and Political Science, and completed graduate coursework in security studies at the Johns Hopkins University School of Advanced International Studies.