Georgetown University
Institute for Law, Science and Global Security

INTERNATIONAL ENGAGEMENT ON CYBER:
DEVELOPING INTERNATIONAL NORMS FOR A SAFE, STABLE & PREDICTABLE CYBER ENVIRONMENT

ALPHABETICAL LIST OF SPEAKER BIOGRAPHIES

General Keith B. Alexander, **Commander, U.S. Cyber Command, Director, National Security, Agency/Chief, Central Security Service**

General Keith B. Alexander, USA, is the Commander, U.S. Cyber Command (USCYBERCOM) and Director, National Security Agency/Chief, Central Security Service (NSA/CSS), Fort George G. Meade, MD. As Commander, USCYBERCOM, he is responsible for planning, coordinating and conducting operations and defense of Department of Defense (DoD) computer networks as directed by USSTRATCOM. As the Director of NSA and Chief of CSS, he is responsible for a Department of Defense agency with national foreign intelligence, combat support, and U.S. national security information system protection responsibilities. NSA/CSS civilian and military personnel are stationed worldwide.

Previous assignments include the Deputy Chief of Staff (DCS, G-2), Headquarters, Department of the Army, Washington, DC; Commanding General of the U.S. Army Intelligence and Security Command at Fort Belvoir, VA; Director of Intelligence, United States Central Command, MacDill Air Force Base, FL.; and Deputy Director for Requirements, Capabilities, Assessments and Doctrine, J-2, for the Joint Chiefs of Staff. GEN Alexander has served in a variety of command assignments in Germany and the United States. These include tours as Commander of Border Field Office, 511th MI Battalion, 66th MI Group; 336th Army Security Agency Company, 525th MI Group; 204th MI Battalion; and 525th MI Brigade.

Additionally, GEN Alexander held key staff assignments as Deputy Director and Operations Officer, Army Intelligence Master Plan, for the Deputy Chief of Staff for Intelligence; S-3 and Executive Officer, 522nd MI Battalion, 2nd Armored Division; G-2 for the 1st Armored Division both in Germany and Operation DESERT SHIELD/DESERT STORM in Saudi Arabia.

Ms. Denise Anderson, Vice President FS-ISAC, Government and Cross-Sector Programs, Financial Services Information Sharing and Analysis Center (FS-ISAC), Chair, National Council of ISACs

Denise Anderson has over 25 years of management level experience in the private sector in Finance, Operations, Sales and Marketing, Public Relations/Publications, Administration and Information Technology. Denise is Vice President FS-ISAC, Government and Cross Sector Programs at the Financial Services Information Sharing and Analysis Center (FS-ISAC), a non-profit association comprised of financial institution members that is dedicated to protecting the financial services sector from physical and cyber attacks and incidents through dissemination of trusted and timely information.

Denise currently serves as Chair of the National Council of ISACs and participates in a number of industry groups such the Cross-Sector Cyber Security Working Group (CSCSWG). She was instrumental in implementing a CI/KR industry initiative to establish a private sector liaison seat at the National Infrastructure Coordinating Center (NICC) to enhance information sharing between the private sector CI/KR community and the federal government and serves as one of the liaisons. She is a financial sector representative to the National Cybersecurity and Communications Integration Center (NCCIC) — a 24-hour, DHS-led coordinated watch and warning center that improves national efforts to address threats and

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incidents affecting the nation's critical information technology and cyber infrastructure. She is also a member of the Cyber Unified Coordination Group, (UCG) under the National Cyber Incident Response Plan (NCIRP) - a public/private advisory group that comes together to provide guidance during a significant cyber event – where she also represents the financial services sector.

Denise holds a BA in English, magna cum laude, from Loyola Marymount University and an MBA in International Business from American University. She recently graduated from the Executive Leaders Program at the Naval Postgraduate School Center for Homeland Defense and Security.

Mr. Ben Beeson, Partner, Global Technology and Privacy Practice, Lockton Companies LLP, England

Ben Beeson is a Partner and leads the Global Technology and Privacy Practice at Lockton Companies LLP. Based in London he transitions to the Washington DC office in March 2014.

After graduating twenty years ago with a modern languages degree from Durham University in the UK, Ben is now known as one of the leading experts on cyber security and privacy risks in both the United States and London commercial insurance markets. Ben joined Lockton in 2007 from Marsh and McLennan Companies where he ran the Technology Risks team in San Francisco.

Ben was recently invited to The White House in August 2013 as one of a select number of industry specialists to advise the administration on cyber security. Discussion focused on how cyber insurance could help incentivise critical infrastructure industries adopt the new cyber security framework developed by the Department of Homeland Security and the National Institute of Standards and Technology.

Mr. Oliver Brew, **Vice President of Professional Liability, Privacy, and Technology E&O, Liberty Underwriters**

Mr. Brew is Vice President of Professional Liability, Privacy and Technology E&O, Liberty International Underwriters in New York, running a national team from there. He is a leading underwriter in this field, having presented at numerous industry conferences, including the Department of Homeland Security Cyber Risk Culture event in 2013. Prior to joining Liberty International Underwriters 2 years ago, Oliver was at Hiscox for 7 years where he held various underwriting and management positions in the technology and privacy area. Before that he ran the technology account at CFC Underwriting in Lloyds and started his career at Willis in London. He is a Certified Information Privacy Professional, Certified Information Privacy Manager and Associate of the Chartered Insurance Institute in the UK. He majored in Politics at Cambridge University.

Mr. Paul Brigner, Regional Bureau Director, North America, Internet Society

Paul Brigner is Regional Director of the North American Bureau at the Internet Society where he oversees projects, initiatives and activities across the Internet Society's functional and programmatic areas in the United States and Canada.

Previously, Paul was Senior Vice President and Chief Technology Policy Officer for the Motion Picture Association of America, and prior to that, Executive Director, Internet and Technology Policy, for Verizon. He worked at Verizon for nearly 10 years in numerous management positions. Earlier in his career, Paul was a software and network architect for several organizations and also served in a technology consulting capacity.

Paul holds a J.D. from Georgetown University Law Center and an MBA from Georgetown University's McDonough School of Business. He is a graduate summa cum laude of Stephen F. Austin State University where he received the Outstanding Computer Science Graduate Award and The Wall Street Journal Student Achievement Award. Brigner also served in the United States Army where he attended the U.S. Military Academy Preparatory School and was appointed to the U.S. Military Academy.

Rear Admiral Michael Brown USN (Ret.), Vice President and General Manager, RSA Global Public Sector

Michael Brown, Rear Admiral, United States Navy (Retired) is Vice President and General Manager of RSA Global Public Sector at RSA, the Security Division of EMC. In his role as Vice President and General Manager, Brown is spearheading strategy and engagement with the United States federal government, state and local governments, critical infrastructure organizations, and international public sector organizations.

Brown joined RSA after a career of more than 31 years in the United States Navy. During his career, he held significant leadership positions within the Departments of Defense and Homeland Security focused on cybersecurity. Brown's last position on active duty was as the Director, Cybersecurity Coordination for DHS, where he was responsible for increasing interdepartmental collaboration in strategic planning for the Nation's cybersecurity, mutual support for cybersecurity capabilities development, and synchronization of current operational cybersecurity mission activities for the Departments of Defense and Homeland Security. He also served as DHS Deputy Assistant Secretary, Cybersecurity and Communications, Acting Assistant Secretary, Cybersecurity and Communications, and as the Assistant Deputy Director Joint Interagency Task Force for the Office of the Director of National Intelligence.

Brown's naval career included numerous staff, afloat, and joint positions. He also held various leadership positions, including command of the Naval Information Warfare Activity. He graduated from the United States Naval Academy in 1980 with a Bachelor of Science in Mathematics and holds a Master of Science in Systems Engineering (Electronic Warfare) from the Naval Postgraduate School, a Master of Arts in National and Strategic Studies from the Naval War College, and was a designated Acquisition Professional.

Mr. Scott Charney, Corporate Vice President, Trustworthy Computing, Microsoft

Scott Charney is Corporate Vice President for Microsoft's Trustworthy Computing Group. Mr. Charney is responsible for a range of corporate programs that influence the security, privacy, and reliability of Microsoft's products, services, and internal networks. He also manages the Engineering Excellence Team, a group focused on promoting best-of-breed engineering practices and ensuring compliance with Microsoft's mandatory engineering policies.

Prior to joining Microsoft, Mr. Charney served as a Principal at PricewaterhouseCoopers where he led the firm's Digital Risk Management and Forensics Practice. Before that, Mr. Charney served as Chief of the Computer Crime and Intellectual Property Section (CCIPS) where he was responsible implementing the Justice Department's computer crime and intellectual property initiatives. Under his direction, CCIPS investigated and prosecuted national and international hacker cases, economic espionage cases, and violations of the federal criminal copyright and trademark laws. His section also proposed and commented on legislation; represented the United States internationally; and supported the development and implementation of U.S. information technology policy. Prior to leading CCIPS, Mr. Charney served an Assistant United States Attorney responsible for the investigation and prosecution of complex cases involving organized crime and as an Assistant District Attorney in Bronx County, New York, where he was responsible for prosecuting persistent violent felony offenders and then served as Deputy Chief of the Investigations Bureau.

The Honorable Michael Chertoff, Chairman and Co-Founder, The Chertoff Group and former Secretary of the U.S. Department of Homeland Security

As Secretary of the U.S. Department of Homeland Security from 2005 to 2009, Michael Chertoff led the country in blocking would-be terrorists from crossing our borders or implementing their plans if they were already in the country. He also transformed FEMA into an effective organization following Hurricane Katrina. His greatest successes have earned few headlines – because the important news is what didn't happen.

At Chertoff Group, Mr. Chertoff provides high-level strategic counsel to corporate and government leaders on a broad range of security issues, from risk identification and prevention to preparedness, response and recovery. "Risk management has become the CEO's concern," he says. "We help our clients develop

comprehensive strategies to manage risk without building barriers that get in the way of carrying on their business."

Before heading up the Department of Homeland Security, Mr. Chertoff served as a federal judge on the U.S. Court of Appeals for the Third Circuit. Earlier, during more than a decade as a federal prosecutor, he investigated and prosecuted cases of political corruption, organized crime, corporate fraud and terrorism – including the investigation of the 9/11 terrorist attacks.

Mr. Chertoff is a magna cum laude graduate of Harvard College (1975) and Harvard Law School (1978). From 1979-1980 he served as a clerk to Supreme Court Justice William Brennan, Jr.

In addition to his role at Chertoff Group, Mr. Chertoff is also senior of counsel at Covington & Burling LLP, and a member of the firm's White Collar Defense and Investigations practice group.

The Honorable Michael Daniel, **Special Assistant to the President and Cybersecurity Coordinator, The White House**

Michael Daniel is a Special Assistant to the President and the Cybersecurity Coordinator. In this position, Michael leads the interagency development of national cybersecurity strategy and policy, and he oversees agencies' implementation of those policies. Michael also ensures that the federal government is effectively partnering with the private sector, non-governmental organizations, other branches and levels of government, and other nations.

Prior to coming to the National Security Staff, Michael served for 17 years with the Office of Management and Budget (OMB). From September 2001 to June 2012, he served as the Chief of the Intelligence Branch, National Security Division, in a career Senior Executive Service position. This branch oversees the Intelligence Community (IC) and other classified Department of Defense programs. In this position, Michael played a key role in shaping intelligence budgets, improving the management of the IC, and resolving major IC policy issues. The branch also oversaw a variety of cross-cutting issues, including cybersecurity, counterterrorism spending, and information sharing and safeguarding.

Lieutenant General Jon M. Davis, Deputy Commander, United States Cyber Command

Lieutenant General Jon M. Davis assumed his current position as the Deputy Commander, United States Cyber Command in June 2012.

Commissioned in May 1980 through the PLC Program, LtGen Davis completed the Basic School in August 1980, and upon graduation, reported for flight training. Upon receiving his wings in September of 1982, he was selected to fly the AV-8A Harrier.

He reported to VMAT-203 in October 1982, completed Harrier training and reported to VMA-231 in 1983 where he deployed aboard the USS Inchon. In 1985 he transferred to VMAT-203 serving as an instructor pilot. In 1986 he attended the WTI course at MAWTS-1. In 1987 he transferred to VMA-223 serving as the Bulldogs WTI and operations officer. In 1988 he was selected to represent the Corps as an exchange officer with the Royal Air Force. After training in the United Kingdom, he deployed to Gutersloh, Germany for duty as a GR-5/7 attack pilot with 3(F) squadron. Upon return to the U.S. in 1991 he served as an instructor at MAWTS-1 in Yuma, AZ. In October 1998 he took command of VMA-223. During his tour, VMA-223 won the CNO Safety Award and the Sanderson Trophy two years in a row, and exceeded 40,000 hours of mishap free operations. After completing the Executive Helicopter Familiarization Course at HT-18 in Pensacola in 2003, he was assigned to MAWTS-1 where he served as Executive Officer and from 2004 to 2006 as Commanding Officer. From 2006 to 2008 he served as the Deputy Commander Joint Functional Component Command -- Network Warfare at Fort Meade, Maryland. He commanded the mighty 2nd Marine Aircraft Wing from July 2010 to May 2012.

His staff billets include a two-year tour as a member of the 31st Commandants Staff Group, and two years as the Junior Military Assistant to the Deputy Secretary of Defense. In 2003, he served as an Assistant Operations Officer on the 3rd Marine Air Wing staff in Kuwait during Operation Iraqi Freedom. In 2004, he served in Iraq as the Officer in Charge of the 3d Marine Aircraft Red Team. He served as the Deputy

Assistant Commandant for Aviation from 2008 to 2010. In the course of his career he has flown over 4,500 mishap free hours in the AV-8 and in every type model series fixed, tilt-rotor and rotary winged aircraft in the USMC inventory.

LtGen Davis graduated with honors from The Basic School and was a Distinguished Graduate of the Marine Corps Command and Staff College. He is a graduate of the Tactical Air Control Party Course, Amphibious Warfare School, Marine Aviation Weapons and Tactics Instructor Course (WTI), The School of Advanced Warfighting (SAW), and Johns Hopkins School of Advanced International Studies (SAIS). He holds a Bachelors of Science from Allegheny College, a Masters of Science from Marine Corps University and a Masters of International Public Policy from Johns Hopkins - with a concentration on East and Southeast Asian Affairs.

His personal decorations include the National Intelligence Distinguished Service Medal, the Defense Superior Service Medal (two awards), the Legion of Merit (two awards), Meritorious Service Medal (three awards), Navy Commendation (three awards) as well as other campaign and service awards.

Dr. Chris C. Demchak, Professor, Strategic Research Dept, Co-Director, Center for Cyber Conflict Studies, United States Naval War College

Dr. Chris C. Demchak has a PhD from Berkeley (political science) with a focus on organization theory and complex systems, security studies, and surprise in largescale socio-technical systems across nations. She also holds two masters degrees, respectively, in economic development (Princeton) and energy engineering (Berkeley). She has published numerous articles on societal security difficulties with largescale information systems to include cyberwar, cybered conflict, and cyber privacy (*"Theory of Action", "BIK behavior-based privacy"*), security institutions (*CT "Knowledge Nexus"*) and new military models (*"Atrium Model" for Joint Forces)*. Dr. Demchak has several recent related books: an edited volume entitled Designing Resilience (2010 with Comfort and Boin) and a theory-to-practice volume Wars of Disruption and Resilience:*Cybered Conflict, Power, and National Security Conflicts* (2011), as well as a book entitled Military Organizations, Complex Machines in the Cornell Security Studies series. She is currently working on a new manuscript tentatively entitled Cyber Westphalia: *Cyber 'Commands' and Emergent Organizing for Cyber Security*. She is an early member of the Intelligence and Security Informatics (ISI) research field and a 'crass cross-disciplinarian' moving readily between technological fields and social science fields. As Co-Director of the new Naval War College Center for Cyber Conflict Studies (C3S), Dr. Demchak's research will continue to focus on the evolution in socio-technical systems, surprise in organizations, cyber tools, social integrations, enterprise learning through virtuality, and the range of choices emerging in westernized nations' cybersecurity/deterrence strategies. Her emphasis remains on comparative operational institutional learning, advanced use of tools and cognition through virtual worlds, and system-wide resilience against normal or adversary imposed surprise.

Dr. Yuejin Du, Director of National Institute of Network and Information Security and Deputy CTO, National Computer Emergency Response Team and Coordination Center, China

Yuejin Du, Ph.D. is currently serving as Director of National Institute of Network and Information Security and deputy CTO of the national computer emergency response team and coordination center of China (CNCERT/CC). Dr. Du has more than 10 years of experience on internet security, and has been involved in handling the work of nearly all large scale Internet incidents from 2001to 2008. Dr. Du contributed on the national Internet security capacity building, and lead the project of national internet intrusion monitoring platform, playing a key role in setting up national incident response cooperation framework. Dr. Du was one of the several top level network security experts during many important events, including the Olympic Game in 2008, the World Expo and the Asian Games in 2010, and the Summer Universiade in 2011. Dr. Du also played an active role on international cooperation. He proposed China-ASEAN cooperation framework on network security, and lead an APEC-TEL project on botnet countermeasure. Previously Dr. Du worked as deputy chair of APCERT.

Colonel (res.) Rami Efrati, **Former Head of the Civilian Sector Division of the Israel National Cyber Bureau, Prime Minister's Office, Israel**

Mr. Rami Efrati, an expert in Cyber Technology Strategic Methods, is the former Head the Civilian Division of the Israel National Cyber Bureau in the Prime Minister's Office. Col. (Res.) Efrati has served

in the Israel Defense Forces for more than twenty-eight years. He commanded numerous prestigious operational and technological positions in Military Intelligence and received the Creative Thinking Award from the Director of Military Intelligence.

Mr. Efrati also has 16 years of civilian experience and has been involved in entrepreneurial activities with both start-up and established companies in the Cyber-Security, High Tech and Bio-Technology sectors.

Rami is a Senior Cyber Fellow in Yuval Ne'eman Workshop for Science, Technology and Security in Tel-Aviv University. Mr. Efrati is currently serving the community as District Governor of Lions Clubs in Israel.

Mr. Adam Firestone, **Senior Vice President and General Manager, Kaspersky Lab Government Security Solutions, Inc.**

As Senior Vice President and General Manager, Government Security Group (GSG), Kaspersky Lab, North America, Adam Firestone is responsible for overseeing the Washington, D.C. office. The GSG provides world class cybersecurity intelligence and systems engineering services as well as innovative product solutions to meet the needs of government, government contractor and national critical infrastructure organizations.

Adam leverages more than 20 years of experience in the defense, intelligence and government contracting industries. Prior to joining Kaspersky Lab in 2013, Adam led the defense and federal subsidiary of a global middleware company where he was responsible for understanding and crafting advanced technology solutions for the challenges faced by military, intelligence and government organizations. Adam is a former United States Army officer, and also possesses a legal background, holding a J.D. degree, and having practiced law in New York.

Ms. Melissa Hathaway, President, Hathaway Global Strategies, LLC

Melissa Hathaway, former acting senior director for cyberspace at the National Security Council, has joined Harvard Kennedy School's Belfer Center for Science and International Affairs as a senior advisor to its cyber security initiative, Project Minerva, a joint effort between the Department of Defense, Massachusetts Institute of Technology, and Harvard University. The project explores a wide range of the issues within cyber security from the contexts of international relations theory and practice.

Hathaway worked on cyber security for Presidents George W. Bush and Barack Obama until August 2009, when she left to establish Hathaway Global Strategies, LLC. She led President Obama's 60-Day Cyberspace Policy Review from February-May 2009.

While serving as acting senior director for cyber security at the National Security Council, Hathaway convened the policy meetings that began work against each of the top ten recommendations contained in the Cyberspace Policy Review and set the expectation and pace to move the United States toward a stronger, more resilient information and communications infrastructure.

Prior to her appointment in February 2009, Hathaway served as cyber coordination executive and director of the Joint Interagency Cyber Task Force within the Office of the Director of National Intelligence from March 2007 to February 2009. There, she built a broad coalition from within the Executive branch under Presidents Bush and Obama, developing a cyber security strategy covering unprecedented scope and scale that now facilitates improvements for the United States to secure and defend its critical national infrastructures. She developed and created a unified cross-agency budget submission for FY 2008 and for 2009–2013, assembling disparate funding sources into a coherent, integrated program. One of the single largest intelligence programs of the Bush administration, the Comprehensive National Cybersecurity Initiative, has been carried forward by the Obama administration.

General Michael Hayden (Ret.), Principal, Chertoff Group, Former Director, NSA and Former Director, CIA

As Director of the Central Intelligence Agency, General Hayden was responsible for overseeing the collection of information concerning the plans, intentions and capabilities of America's adversaries;

producing timely analysis for decision makers; and conducting covert operations to thwart terrorists and other enemies of the US.

At Chertoff Group, General Hayden uses his broad geographic and political knowledge to brief clients on intelligence matters worldwide – including developments in cybersecurity – that may affect their businesses.

Before becoming Director of the CIA, General Hayden served as the country's first Principal Deputy Director of National Intelligence and was the highest-ranking intelligence officer in the armed forces. Earlier, he served as Commander of the Air Intelligence Agency, Director of the Joint Command and Control Warfare Center, Director of the National Security Agency and Chief of the Central Security Service.

General Hayden graduated from Duquesne University with a bachelor's degree in history in 1967 and a master's degree in modern American history in 1969. He also did postgraduate work at the Defense Intelligence School conducted by the Defense Intelligence Agency. He is currently a Distinguished Visiting Professor at George Mason University.

Mr. Chris Inglis, **Former Deputy Director, NSA**

Mr. Inglis retired from the Department of Defense in January 2014 following over 41 years of federal service, including 28 years at NSA and seven and a half years as its senior civilian and Deputy Director. As the NSA Deputy Director, Mr. Inglis acted as the Agency's chief operating officer, responsible for guiding and directing strategies, operations and policy.

Mr. Inglis began his NSA career as a computer scientist and later held positions in information assurance, policy, time-sensitive operations, and signals intelligence organizations. He twice served away from NSA Headquarters, first as a visiting professor of computer science at the U.S. Military Academy (1991-1992) and later as the U.S. Special Liaison to the United Kingdom (2003-2006). Promoted to NSA's Senior Executive Service in 1997, he subsequently served in a variety of senior leadership assignments culminating in his selection as the NSA Deputy Director in 2006.

A 1976 graduate of the U.S. Air Force Academy, Mr. Inglis holds advanced degrees in engineering and computer science from Columbia University, Johns Hopkins University, and the George Washington University. He is also a graduate of the Kellogg Business School executive development program, the USAF Air War College, Air Command and Staff College, and Squadron Officers' School.

Mr. Inglis' military career included nine years active service with the US Air Force and twenty-one years with the Air National Guard from which he retired as a Brigadier General in 2006. He holds the rating of Command Pilot and commanded units at the squadron, group, and joint force headquarters levels.

Mr. Troels Oerting Joergensen, Assistant Director, Head of European Cybercrime Center (EC3), EUROPOL

Troels Oerting started in the Danish Police back in 1980 and went through the ranks serving as Director of the Danish NCIS, Director of National Crime Squad and later as Director of the Danish Serious Organized Crime Agency (SOCA). He held positions as Head of NCB Copenhagen, Chair of the Head of Europol National Unit group (HENU), member of DK Europol Management Board delegation and Head of DK Schengen / Sirene. Later he became Director of Operations in the Danish Security Intelligence Service and was promoted to Assistant Director in Europol in 2009. He has had various responsibilities in Europol's Operational Department and serves now as Head of European Cybercrime Centre (EC3) and in the past also as Interim Head of Europol Counter Terrorist and Financial Intelligence Centre.

Ms. Angela Kane, UN High Representative for Disarmament Affairs, United Nations Office for Disarmament Affairs

Ms. Angela Kane of Germany assumed the position of High Representative for Disarmament Affairs in March 2012. She provides the Secretary-General with advice and support on all arms control, non-

proliferation and related security matters and is responsible for the activities of the Office for Disarmament Affairs.

Ms. Kane has had a long and distinguished career in the United Nations. In addition to substantive assignments in political affairs, peacekeeping and disarmament, she has held various managerial functions, including with financial and policy-setting responsibility. She served as Under-Secretary-General for Management from 2008-2012, overseeing human resources, financial management, procurement and support services and the renovation of the United Nations New York Headquarters campus.

From 2005 to 2008, Ms. Kane served as Assistant Secretary-General for Political Affairs, a core function related to the prevention and resolution of conflicts. Her geographic responsibilities included all regions except Africa. Previously, she had served as the Assistant Secretary-General for General Assembly and Conference Management.

Her field experience includes Deputy Special Representative of the Secretary-General for the United Nations Mission in Ethiopia and Eritrea (UNMEE), a special assignment to the Democratic Republic of the Congo, and postings in Indonesia and Thailand.

Ms. Kane also held the positions of Director in the Department of Political Affairs and Director in the Department of Public Information. She served as Principal Political Officer with former Secretary-General Boutros Boutros-Ghali and worked with the Personal Representative of the Secretary-General for the Central American Peace Process. Ms. Kane worked on disarmament issues for several years and was responsible for the activities of the World Disarmament Campaign.

Ms. Kane was educated at the University of München, Bryn Mawr College and the Johns Hopkins School of Advanced International Studies. She is married.

Director General Seong Ju Kang, Director General, Ministry of Science and Technology, ICT and Future Planning of Korea, and Vice Chair, OECD Public Governance Committee

In his role as Director General, Ministry of Science and Technology, ICT and Future Planning of Korea, Director General Kang works on formulating cyber security policy, including cyber incident response and critical infrastructure, in addition to digital society policy. He also serves as the Minister-Counsellor, Permanent Delegation of Korea to the OECD, where he represents policy issues on public management, e-government and disaster management to OECD.

Previously he served as the Director General, Ministry of Public Administration and Security of Korea, from December 2009 - February 2011 where he coordinated government-wide policy issues on e-gov, cyber security and IT system management such as social media and open data. Before that, as the Director, Ministry of Public Administration and Security of Korea, Mr. Kang coordinated the agenda for disaster reduction and safety including safe city and disaster management and developed and operated human resource development programs for government employees

Mr. Kang served as Assistant Secretary to the President, Office of the President of Korea from Mar 2007 - Feb 2008 where he coordinated government-wide IT policy agenda including e-government, e-health, and ICT industry. He was the Director of the Ministry of Information and Communication of Korea, March 2003 - February 2007. And he drafted the Ubiquitous Korea Plan for 2015 and sponsored the national computing center consolidation project

Mr. Sean Kanuck, National Intelligence Officer for Cyber Issues, Office of the Director of National Intelligence

Sean Kanuck currently serves in the role of National Intelligence Officer (NIO) for Cyber Issues within the Office of the Director of National Intelligence. The NIO directs the production of National Intelligence Estimates, leads the Intelligence Community (IC) in cyber analysis, and writes personal assessments of strategic developments in cyberspace. He also represents the IC on cyber issues, including briefing National Security Staff meetings at the White House and testifying before Congressional committees.

Mr. Kanuck was appointed as the first NIO for Cyber Issues in May 2011. He came to the National Intelligence Council after a decade of experience in the Central Intelligence Agency's Information Operations Center, including both analytic and field assignments. In his Senior Analytic Service role, he was a contributing author for the 2009 White House Cyberspace Policy Review, an Intelligence Fellow with the Directorates for Cybersecurity and Combating Terrorism at the National Security Council, and a member of the United States delegation to the United Nations Group of Governmental Experts on international information security.

Prior to government service, Mr. Kanuck practiced law with Skadden Arps in New York, where he specialized in mergers and acquisitions, corporate finance, and banking matters. He is a member of the International Institute for Strategic Studies, and his academic publications focus on information warfare and international law. Mr. Kanuck holds degrees from Harvard University (A.B., J.D.), the London School of Economics (M.Sc.), and the University of Oslo (LL.M.).

The Honorable Franklin D. Kramer, Distinguished Senior Fellow, Atlantic Council

The Honorable Franklin D. Kramer is a Distinguished Fellow, on the board and a member of the Strategic Advisors Group of the Atlantic Council. Mr. Kramer has been a senior political appointee in two administrations, including as Assistant Secretary of Defense for International Security Affairs for President Clinton, Secretary Perry and Secretary Cohen; and, previously, as Principal Deputy Assistant Secretary of Defense for International Security Affairs. At the Department of Defense, Mr. Kramer was in charge of the formulation and implementation of international defense and political-military policy, with worldwide responsibilities including NATO, the Middle East, Asia, Africa and Latin America.

In the non-profit world, in addition to his position at the Atlantic Council, Mr. Kramer is a Senior Fellow at CNA. He has been chairman of the board of the World Affairs Council of Washington, DC and is currently co-chairman of the Global Education Committee. Mr. Kramer was a Distinguished Research Fellow at the Center for Technology and National Security Policy of the National Defense University and an adjunct capstone professor at the Elliott School of International Affairs at George Washington University where he taught a course on "The Department of Defense and Winning Modern War." In the private sector, Mr. Kramer is a director and consultant and has been a partner at the law firm of Shea & Gardner.

Among his activities and publications, Mr. Kramer is the principal editor and has written several chapters for the book "Cyberpower and National Security," and is the author of "Cyber Security: An Integrated Governmental Strategy for Progress." He is likewise the principal editor, and co-author of the policy chapter, of the book "Civil Power in Irregular Conflict," and the author of "Irregular Conflict, The Department Of Defense, and International Security Reform" and "Irregular Conflict and the Wicked Problem Dilemma: Strategies of Imperfection." He is the co-author of "Central Europe and the Geopolitics of Energy" and of "Transatlantic Cooperation for Sustainable Energy Security."

Mr. Kramer has written numerous articles on international affairs including "NATO Initiatives for an Era of Global Competition," "Recasting the Euro-Atlantic Partnership," "Making Peace Stick in Lebanon," "Taiwan: Avoiding a Train Wreck," military power and "Tools to Win the Peace" and "Cyber Influence and International Security." He has chaired numerous task forces and conferences, including on post-conflict stability operations, on overseas basing, on China and the world economy, and on China-Taiwan-U.S. relations. He has given speeches on cyber security and cyber conflict, on energy and security, on the role of great powers in a globalizing world, on the future of NATO and the Partnership for Peace; and on the U.S.-India defense relationship. He has testified frequently, including since leaving the government, on topics ranging from Chinese military power to strategic communications to cyberpower.

Mr. Takashi Kume, Special Advisor to the Ministry of Economy, Trade, and Industry (METI), Government of Japan. Director, Japan External Trade Organization (JETRO) New York

Takashi Kume is Special Advisor to METI and Director of JETRO New York. At his current position, Mr. Kume covers a range of industry and trade-related issues, especially energy security and information technology (IT), and their geopolitical implications.

Before coming to work in the United States in 2013, Mr. Kume served as Director for Coordination of Nuclear Policy at the Agency for Natural Resources and Energy, where he coordinated Japan's energy policy, especially related to nuclear energy after the accident at Fukushima Daiichi Nuclear Power Station (Fukushima accident). During his career at METI, he spent seven years working for IT-related issues, where he focused on security and reliability of IT systems. His engagement included the creation of National Information Security Center (NISC) under the Cabinet Secretariat in 2005, which enables the Japanese Government to make and implement integrated Cyber Security Strategy for the first time.

Mr. Kume received an LL.M. from Harvard Law School in 1999 where he focused his study on International Trade Law, Intellectual Property and Antitrust Law. After completion of his LL.M., he served as an International Associate at Shearman and Sterling in Washington, D.C. and Visiting Researcher at Georgetown Law Center from 1999 to 2000 and. He also obtained an LL.B. and LL.M. from the University of Tokyo, where he analyzed issues on extraterritorial application of public law, especially Antitrust Law and Securities Law. He was admitted to the New York State Bar in 2000.

Dr. James Andrew Lewis, **Director and Senior Fellow, Technology and Public Policy Program, Center for Strategic and International Studies**

James Andrew Lewis is a Senior Fellow at the Center for Strategic and International Studies (CSIS) in Washington, D.C. and directs its Technology and Public Policy Program. Before joining CSIS, he was a member of the U.S. Foreign Service and Senior Executive Service, where he worked on regional security, military intervention and insurgency, conventional arms negotiations, technology transfer (including global arms sales), encryption, internet security, space remote sensing, high-tech trade with China, sanctions and internet policy.

His diplomatic experience included negotiations on military basing in Asia, the Cambodia peace process, and the five-power talks on arms transfer restraint. Lewis led the U.S. delegation to the Wassenaar Arrangement Experts Group for advanced civil and military technologies. He was also assigned to the U.S. Southern Command for Just Cause, the U.S. Central Command for Desert Shield, and to the National Security Council and the U.S. Central American Task Force for programs in Nicaragua. In 2010 he served as Rapporteur for the UN Group of Government Experts on Information Security.

Lewis has authored more than eight publications since coming to CSIS on cybersecurity, innovation, military space, and identity management. He was the Project Director for CSIS's Commission on Cybersecurity for the 44th Presidency. In 1984, Lewis earned a Ph.D. from the University of Chicago.

Dr. Jarno Limnéll, Director Cyber Security, McAfee a division of Intel Security

Jarno Limnéll is Director Cyber Security at McAfee, part of Intel Security, Intel Corporation. He is an expert in international security politics and the realities of today's threats and security environment. He has profound understanding of the global threat landscape, combined with the courage to address the most complex issues.

Mr. Limnéll holds a Doctor of Military Science degree in Strategy from the National Defense University in Finland; a Master of Social Science degree from Helsinki University; and an Officer´s degree from the National Defense University. Mr. Limnéll has published a comprehensive list of works on security issues. His most recent book is "The World and Finland after 9/11," and his upcoming book, "Cybersecurity," will be published next month. Prior to joining McAfee Mr. Jarno Limnéll served a long career as an officer in the Finnish Defense Forces.

Dr. Catherine Lotrionte, **Director, Institute for Law, Science and Global Security, Georgetown University**

Professor Catherine Lotrionte is the Director of the Institute for Law, Science and Global Security and Visiting Assistant Professor of Government at Georgetown University. Professor Lotrionte teaches courses on national security law, cybersecurity law, U.S. intelligence law, and international law. In addition to teaching, Professor Lotrionte coordinates research projects and events for the Institute for Law, Science and Global Security at Georgetown. In 2006 she founded the CyberProject at Georgetown University

under the auspices of the Institute. Through the CyberProject she organizes an annual international cyber engagement conference at Georgetown bringing together US and foreign government officials, private sector experts and academics. Professor Lotrionte and the Institute focus on the role of international and domestic law and policy in recent and upcoming developments in cyber technology and cyber threats.

In 2002 she was appointed by General Brent Scowcroft to be Counsel to the President's Foreign Intelligence Advisory Board at the White House, a position she held until 2006. In 2002 she served as a legal counsel for the Joint Inquiry Committee of the Senate Select Committee on Intelligence. Prior to that, Professor Lotrionte was Assistant General Counsel with the Office of General Counsel at the Central Intelligence Agency, where she provided legal advice relating to information warfare, foreign intelligence and counterintelligence activities, and international terrorism. Before working in the Office of General Counsel at the Central Intelligence Agency, Professor Lotrionte served in the U.S. Department of Justice.

Professor Lotrionte earned her Ph.D. from Georgetown University and her J.D. from New York University and is the author of numerous publications, including two forthcoming books concerning U.S. national security law in the post-Cold War era and *Cyber Policy: An Instrument of International Relations, Intelligence and National Power.* She is a frequent speaker at cyber conferences held by academic, military, government, and media organizations. Professor Lotrionte has provided commentary in the *Washington Post* as well as on CNN, C-SPAN, Al-Jazeera, Voice America Business Network, PBS, and many other media outlets. She is a Life Member of the Council on Foreign Relations.

Mr. Nemanja Malisevic, Cyber Security Officer, OSCE Secretariat, Transnational Threats Department, Austria

Nemanja Malisevic is the Cyber Security Officer of the Organization for Security and Co-operation in Europe (OSCE) / Transnational Threats Department (TNTD). In this capacity he advises OSCE senior staff and OSCE delegations on the subject. He joined the OSCE in 2004 and, until 2011, worked for the Action against Terrorism Unit (ATU) where he was responsible for issues pertaining to combating terrorist use of the Internet / enhancing cyber security.

Mr. Malisevic holds a Bachelor (B.A.) degree in Journalism (University of Wales, Cardiff, UK) and his views have been published inter alia in the daily press and specialist journals. He further holds a Masters (M.Litt.) degree in International Security Studies (University of St Andrews, Scotland, UK).

Mr. John C. Mallery, Research Scientist, Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology

John C. Mallery is a research scientist at the MIT Computer Science & Artificial Intelligence Laboratory. He is concerned with cyber policy and has been developing advanced architectural concepts for cyber security and transformational computing for the past decade. Since 2006, he organized a series of national workshops on technical and policy aspects of cyber. During the 2008 Presidential campaign, he served on Obama's cyber policy team and helped craft his July 16, 2008 cyber platform. Mobilizing the group, he participates in a MIT-Harvard project on International Cyber Relations., and has been developing a system for monitoring open source reporting on cyber. His interests span a variety of fields from artificial intelligence, computer science and information assurance to cyber defense, international relations and economics. He conceptualized the field of computational politics in 1988, where he developed the Relatus Natural Understanding System and non-rectangular machine learning techniques for analyzing international relations using the SHERFACS Conflict and Cooperation data set. During the 1990s, he was the principal architect and developer of the White House Electronic Publications System that served the Clinton Administration from 1992-2001. In the process, he created and fielded the first large-scale wide-area collaboration system for the Vice President's 1994 Open Meeting on the National Performance Review with 4000 Federal workers, pioneered online survey research in 1992 leading up to hierarchical adaptive surveys in 1996, implemented the first production HTTP 1.1 Web server and URN resolver, among many other firsts.

Ms. Michele Markoff, Deputy Coordinator for Cyber Issues, Office of the Secretary of State, U.S. Department of State

Michele Markoff is the Deputy Coordinator for Cyber Issues in the Office of the Coordinator for Cyber Affairs, which was established by Secretary of State Hillary Clinton in 2009.

Since 1998 Michele has been the senior State Department subject matter expert overseeing the development and implementation of foreign policy initiatives on cyberspace issues. She helps to coordinate United States policy on the spectrum of cyber-related policy issues across the Department, develops diplomatic strategies to encourage states to join the United States in taking steps to protect their critical networks and to cooperate internationally to enhance and preserve global cyber stability. She implements those strategies through negotiations in a wide variety of venues. Her initiative led to the successful completion of the first ever bilateral agreement on confidence-building in cyber space between the United State and the Russian Federation, announced in June, 2013. Michele also has been the United States Government Expert on three Groups of UN Government Experts (2005, 2010, and 2013) devoted to cyber issues. The last two led to landmark consensus reports regarding norms for state activity in cyberspace.

Ms. Markoff was trained as an expert in Russian and Chinese military affairs and decision-making and spent the first half of her career in a variety of strategic nuclear arms control-related posts, among them as State Department Advisor and then Executive Secretary to the START I Talks; later as Senior Policy Advisor and Director of the U.S. Arms Control and Disarmament Agency's Policy Planning Group.

Ms. Markoff has a B.A. in International Relations from Reed College, an M.A. in International Relations and an M. Phil in Political Science from Yale University, and a M.Sc. in National Security Strategy from the National War College of the United States. She also attended high school in the former Soviet Union and attended the Chinese University of Hong Kong.

Ms. Cheri McGuire, Vice President, Global Government Affairs and Cybersecurity Policy, Symantec

Cheri McGuire is responsible for Symantec's global public policy agenda and government engagement strategy, including cybersecurity, data integrity, critical infrastructure protection (CIP), and privacy. She works extensively with industry and government organizations, including serving from 2010 to 2012 as Chair of the US IT Sector Coordinating Council – one of 17 critical sectors identified by the President and the US Department of Homeland Security (DHS) to partner with the government on CIP and cybersecurity. She is a member of: the executive committee of the Information Technology Industry Council; the board of the US Information Technology Office (USITO) in China; and the board of the National Cyber Security Alliance; and is a past board member of the IT Information Sharing and Analysis Center.

Prior to joining Symantec in 2010, Ms. McGuire served as Director for Critical Infrastructure and Cybersecurity in Microsoft's Trustworthy Computing Group. From 2005 to 2008, she served in numerous positions at DHS, including as Acting Director and Deputy Director of the National Cyber Security Division and US-CERT. In this capacity, she provided thought leadership for DHS on the Comprehensive National Cybersecurity Initiative released by the President in January 2008, led the implementation of the 2008 National Cyber Exercise -- Cyber Storm II, and was Head of US Delegation for bilateral cybersecurity talks with Japan in 2007.

Mr. Jeffery Moss, **Former VP and Chief Security Officer of ICANN and Founder and Director of Black Hat and DEFCON**

Mr. Moss was appointed in April 2011 as the Chief Security Officer for the Internet Corporation for Assigned Names and Numbers (ICANN), a non-profit whose responsibilities include coordinating and ensuring the security, stability and resiliency of the Internet's unique global identifiers such as IP address allocations, AS and protocol numbers, and digitally signing and maintaining the root zone of the Internet. This position involved extensive international travel and coordination with governments, law enforcement, and operational security communities. Mr. Moss left this position at the end of 2013.

Moss is the founder and creator of both the Black Hat Briefings and DEF CON, two of the most influential information security conferences in the world, attracting over ten thousand people from around the world

to learn the latest in security technology from those researchers who create it. DEF CON just had its 21st Prior to creating Black Hat Briefings, Jeff was a director at Secure Computing Corporation where he helped establish their Professional Services Department in the United States, Asia, and Australia. His primary work was security assessments of large multi-national corporations. Jeff has also worked for Ernst & Young, LLP in their Information System Security division.

Because of this unique background Jeff is uniquely qualified with his ability to bridge the gap between the underground researcher community and law enforcement, between the worlds of pure research and the responsible application of disclosure.

Dr. Milton Mueller, Professor, Syracuse School of Information Studies

Dr. Milton Mueller is Professor at the Syracuse University School of Information Studies. A passionate advocate of Internet freedom and transnational governance for the Internet, his research focuses on property rights, institutions and global governance in communication and information industries. As one of the founders of the Internet Governance Project, Mueller helped create an alliance of scholars in action around global Internet policy issues. His book Ruling the Root: Internet Governance and the Taming of Cyberspace (MIT Press, 2002) was the first book-length analysis of the political and economic forces leading to the creation of ICANN. His latest book, Networks and States: The Global Politics of Internet Governance (MIT Press, 2010), examines the Internet as a site of institutional innovation that transcends the nation state but also serves as the situs of conflict between national and global forms of regulation and control. Currently, he is doing research on IP addressing policy, the policy implications of Deep Packet Inspection technology, the security governance practices of ISPs and the market for zero-day exploits. Mueller has played a leading role in organizing and mobilizing civil society in ICANN and in the Internet Governance Forum. He was a founder of the Noncommercial Users Constituency in ICANN and served as its chair for several terms. He has served as an elected member of ICANN's GNSO Council and ARIN's Advisory Council.

Ms. Yoko Nitta, Fellow, Research Institute of Science and Technology for Society, Japan Science and Technology Agency

Yoko Nitta has been researching foreign policies and has a keen interest in facilitating global cyber security among EU, US, Russia and Japan at an official policy level. Currently she focuses on cyber espionage, information warwfare and intelligence. She has global responsibility of shaping its agenda and broad responsibilities for developing global bridges through her mission.

She is a senior principal researcher at Japan Society for Security and Crisis Management, a member of the Japan Forum on International Affairs, Canon Institute for Global Studies, the Japan Institute of International Affairs and official member of the diplomatic circle in Japan.

Her up-dated works including report on US- Japan Relationship in the consideration of new administration is published in French journal, Outre Terre, 2013, analysis on the Japan's approach towards cyber security is released August 2013 in German journal, "Denkwürdigkeiten" of the Political-Military Society, and report on Japan's approach towards international strategy on cyber security cooperation is released November 2013 in IEEE / EWI(East West Institute) Cybersecurity Papers.

Dr. Madan M. Oberoi, Director, Cyber Innovation & Outreach, INTERPOL Global Complex for Innovation

Dr. Madan M. Oberoi is an Indian Police Service officer (1992 batch), working as Head of Technical, Forensic and Coordination Zone of Central Bureau of Investigation (CBI), India. He has earlier headed Cybercrime Investigation Cell and International Police Cooperation Unit of CBI. He has also held many important posts in Delhi Police. He is a Hubert H. Humphrey Fellow (2010-2011) in the area of "Cyber Security" from University of Washington and has a Ph.D. in Cybercrime from IIT Delhi.

The INTERPOL Global Complex for Innovation is emblematic of INTERPOL's new vision to tackle the crime threats of the 21st century by strengthening international police cooperation and enhancing police capabilities. With the establishment of INTERPOL Global Complex for Innovation, the INTERPOL General Secretariat seeks to build a cutting-edge research and development facility for the identification of

crimes and criminals, especially in the field of digital security. The complex will also provide innovation-based training and 24/7 operational support to police worldwide. The INTERPOL Global Complex for Innovation is scheduled to be opened in Singapore in September 2014.

Mr. Christopher Painter, Coordinator for Cyber Issues, U.S. Department of State

Mr. Painter has been on the vanguard of cyber issues for over twenty years. In his current role as the Secretary's first Coordinator for Cyber Issues, Mr. Painter coordinates and leads the United States' diplomatic efforts to advance an open, interoperable, secure and reliable Internet and information infrastructure. He works closely with components across the Department, other agencies, the White House, the private sector and civil society to implement the President'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.

Mr. Painter and his team have launched "whole of government" cyber dialogues with numerous countries (including chairing the U.S.-China Cyber Working Group established by Secretary Kerry), designed and carried out regional capacity building initiatives, worked to reduce cyber threats worldwide by combatting operational threats such as Distributed Denial of Service and large-scale cyber intrusions for the purposes of stealing intellectual property and proprietary business information, worked to ensure that fundamental freedoms can be exercised online and worked diplomatically to build a consensus around our vision of an open, interoperable, secure and reliable cyberspace. His team spearheaded the promotion of transparency and confidence-building measures designed to reduce the risk of miscalculation that could inadvertently lead to conflict in cyberspace -- resulting in the negotiation of the first ever bilateral cyber confidence building measures that were announced in June 2013 by President Obama and President Putin, and the agreement to the first set of multi-lateral confidence building measures in the Organization for Security and Cooperation in Europe.

Prior to joining the State Department, Mr. Painter served in the White House as Senior Director for Cybersecurity Policy in the National Security Staff. 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 subsequently served as Acting Cybersecurity Coordinator. He coordinated the development of the President's 2011 International Strategy for Cyberspace and chaired high-level interagency groups devoted to international cyber issues. He has worked with dozens of foreign governments in bi-lateral meetings and has been a frequent spokesperson and presenter on cyber issues around the globe. Mr. Painter is a graduate of Stanford Law School and Cornell University.

Mr. James Quinault, Director, National Cyber Security Programme, Cabinet Office, United Kingdom

James Quinault is the new Director, Office of Cyber Security and Information Assurance in the Cabinet Office. James was educated in Scotland and the US and at Merton College, Oxford.

James joined the Civil Service Fast Stream from university in 1993. Besides previous roles in the Treasury on environment issues, 'green' taxes and public expenditure planning and control, James has also worked in a number of other departments in Whitehall, including spells in the Economic and Domestic Secretariat in the Cabinet Office, as private secretary to the Head of the Civil Service, and on secondment to the Home Office working on the overhaul of policy on criminal justice and immigration issues. His most recent post was as head of the Treasury team looking after defence and security spending.

James lives in Winchester and is married with three children. He was appointed CBE in The Queen's Birthday Honours 2011.

Dr. Gregory J. Rattray, CEO, Founding Partner, Delta Risk LLC

As a partner at Delta Risk, Greg Rattray brings an exceptional record in establishing strategies for cyber security across both the government and private sectors. During his 23 year Air Force career, he served as the director for cyber security on the National Security Council staff in the White House where he was a

key contributor to the President's National Strategy to Secure Cyberspace, helped initiate the first national cyber security exercise program involving government and the private sector, and served as a senior security advisor on foreign investments for the US government regarding corporate acquisitions and outsourcing concerns in the telecommunications and information technology sector. Dr. Rattray also commanded the Operations Group of the AF Information Warfare Center. In this role, he was responsible for collaboration with defense industrial base partners related to advanced persistent cyber threats. He also served from 2007-2010 as the chief security advisor to Internet Corporation for Assigned Names and Numbers (ICANN) establishing strategies for ICANN's role in enhancing security and resiliency of the domain name system.

He was the driving force in the establishment of the Cyber Conflict Studies Association (CCSA) to ensure US national efforts were guided by a deeper well of intellectual capital involving private industry, think tanks, government, and academia. Dr. Rattray is a full member of the Council on Foreign Relations. He received his Bachelor's Degree in Political Science and Military History from the U.S. Air Force Academy; a Master of Public Policy from the John F. Kennedy School of Government, Harvard University; and his Doctor of Philosophy in International Affairs from the Fletcher School of Law and Diplomacy, Tufts University. He is the author of the seminal book Strategic Warfare in Cyberspace.

Mr. Adam Sedgewick, Senior Information Technology Policy Advisor, National Institute of Standards and Technology

Adam Sedgewick serves as Senior Information Technology Policy Advisor at the National Institute of Standards and Technology. In this role, Adam represents NIST on the Department of Commerce Internet Policy Task Force and advices NIST leadership on cybersecurity issues. Previously, Adam was Senior Advisor to the Federal Chief Information Officer Council, coordinating cross-agency initiatives and assisting in the implementation of OMB policy and directives. Adam served as Professional Staff Member for the Senate Committee on Homeland Security and Governmental Affairs for nine years, handling cyber security and federal information technology policy.

Heli Tiirmaa-Klaar, Head of Cyber Policy Coordination, Conflict Prevention and Security Policy Directorate, European External Action Service

Heli Tiirmaa-Klaar is currently advising the European External Action Service in cyber security issues. She has been working on cyber security issues since 2007 when she led an interdepartmental working group to develop the national Cyber Security Strategy in Estonia. Between 2008 and 2010 she coordinated the implementation of the Cyber Security Strategy and managed the National Cyber Security Council. She oversaw the development of Estonia's Critical Information Infrastructure Protection system and built cyber security public-private partnerships at national level. She also worked closely with European Union institutions for the launch of the EU Critical Information Infrastructure Protection policy. In 2011, she helped to develop the new NATO Cyber Defence Policy and its Action Plan at the NATO HQ. In her earlier career, she has held various managerial positions at the Estonian Ministry of Defence and Tallinn University since 1995.

Mr. John Watters, Chairman & CEO, iSIGHT Partners

John P. Watters is the founder, Chairman & CEO of iSIGHT Partners; a Dallas-based cyber intelligence services firm (founded in 2006). Prior to iSIGHT Partners, Mr. Watters was Chairman & CEO of iDEFENSE (2002), which he sold to VeriSign in 2005. Over the past decade, Mr. Watters has been an active operator and investor in other innovative cyber security companies including TippingPoint Technologies in 2002, Archer Technologies in 2003 (served on board), Netwitness in 2006 (Chairman of Board), and Lookingglass in 2011 (served on the board).

Prior to Mr. Watters' focus in the cyber security industry, he was the founder, Chairman & CEO of EFO Holding, Inc., the investment arm of Bill Esping (founder of First Data Resources). In his various investment, operating and philanthropic capacities, Mr. Watters has served on more than 20 corporate and non-profit boards including the Investment Committee of the Jesuit Foundation in Dallas and is the founder and Chairman of both the STAIRS Program (supporting inner-city education) and Andromeda FC (a U.S. Soccer Federation Development Academy). Mr. Watters graduated from Santa Clara University, attended London School of Economics and is married with five children.

The Honorable Sheldon Whitehouse, U.S. Senator, Rhode Island

Senator Whitehouse is a graduate of Yale University and the University of Virginia School of Law, and has served as Rhode Island's Director of Business Regulation under Governor Sundlun before being recommended by Senator Pell and nominated by President Bill Clinton to be Rhode Island's United States Attorney in 1994. He was elected Attorney General of Rhode Island in 1998, a position in which he served until 2003. On November 7, 2006, Rhode Islanders elected Mr. Whitehouse to the United States Senate, where he is a member of the Budget Committee; the Environment and Public Works Committee (EPW); the Judiciary Committee; the Health, Education, Labor, and Pensions Committee; and the Special Committee on Aging. He is the chairman of the Judiciary Subcommittee on Crime and Terrorism and of the EPW Subcommittee on Oversight.

Major General Mihály Zala, President, National Security Authority of Hungary

Major General Mihály Zala is the head of National Security Authority, Ministry of Public Administration and Justice of Hungary, and as such he is responsible for executive level international relations with relevant NATO and EU organizations, with special regard to classified data and information security issues. Related to that, he is a participant of high level NATO and EU decision making bodies dealing with personal, data, industrial and information security issues. He is also responsible for bilateral agreements aiming to share and protect classified information between Hungary and other countries.

Mr. Zala is the initiator of the Hungarian Cyber Defence Management Authority that is part of National Security Authority, and has a leading role in national and international cyber threat prevention and response coordination. He has sponsored EU twinning projects aiming to implement classified information processing systems in Europe, as well as information security awareness education programs in Hungary and in Europe – with special regard to large integration organizations. Mr. Zala is the leader and accredited lecturer of the official state course of processing classified information.