



■ ■ **Cyber Threats to**
■ ■ **National Security**

Keeping the Nation's Industrial
Base Safe from Cyber Threats

March 1, 2011

Carnegie Institution for Science
Washington, DC



Agenda

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| 0700 – 0800 | Registration, Continental Breakfast |
| 0800 – 0830 | Welcome and Introductions |
| 0830 – 0915 | Keynote: Ambassador John R. Bolton |
| 0915 – 1045 | Panel One: Cybersecurity: Keeping Pace with Technology Change and Threats |
| 1045 – 1100 | Break |
| 1100 – 1200 | Panel Two: A View from the Hill |
| 1200 – 1300 | Lunch: Carnegie Institution for Science |
| 1300 – 1345 | Keynote: Frances Townsend |
| 1345 – 1515 | Panel Three: The Insider Threat |
| 1515 – 1530 | Concluding Remarks: The Honorable James S. Gilmore, III |
| 1530 – 1600 | Special Reception Hosted by Dr. J.P. (Jack) London, Dr. Warren Phillips, Paul M. Cofoni, Frank J. Gaffney and Major General Thomas L. Wilkerson, USMC (Ret.) Join us for discussion and refreshments |

Overview

Our national challenge is to protect and sustain our industrial base, critical infrastructure and government missions. As a government and as a nation, we must be second to none in implementing comprehensive cybersecurity systems and procedures. Today's discussions will explore the commitment and planning that is necessary to meet the national challenge posed by cyber-faceted threats to national security. We will explore strategies, best practices, solutions and emerging trends for securing the industrial base.

Our industrial base is heavily dependent on information technology and distributed data, which puts it at risk for cyber attacks. As cyber threats and cyber-related insider threats grow in sophistication and destructive power, we must develop new tools and strategies to counter the challenges. Are the government, industrial base, key industries and critical infrastructures prepared to counter Stuxnet-like attacks aimed at causing damage to the nation?

This symposium intends to provide discrete recommendations as to how to best protect the nation's industrial base. Participants will focus on both problems and solutions as the nation responds to the growing diversity of cyber attacks and related insider threats. Federal planning is the key, but resource commitments are also necessary to enhance the actions of every stakeholder organization within the industrial base, states and localities.

We will discuss whether national efforts – processes, resources, actions and authorities – adequately protect the industrial base from the realities and consequences of cyber threats. We will also question whether the federal government has developed adequate legislation, policy, procedures, tactics, techniques and authorities to provide the nation with both a strategic advantage and national security. Finally, we will address how the government is collaborating with the private sector to prevent, secure, protect and mitigate the impact of cyber and insider threats, and if necessary, reconstitute aspects of the industrial base.

Cyber Threats to National Security – Keeping the Nation's Industrial Base Safe from Cyber Threats, a symposium co-sponsored by CACI International Inc (CACI), the U.S. Naval Institute (USNI), and the Center for Security Policy (CSP), is the second Cyber Threats symposium in the Asymmetric Threats series, which addresses emerging threats resulting from the enormously dynamic, rapidly evolving and increasingly challenging cyber arena. The first symposium in this series, held in early 2010, centered upon countering challenges to the global supply chain.

These symposia are part of a continuing series of events co-sponsored by CACI and its partners and co-founded by Dr. Warren Phillips, a member of the CACI Board of Directors. The first Asymmetric Threats series, held in 2008 and 2009, featured three symposia that focused on U.S. and global security. Themes included defining the asymmetrical threat problem, addressing the efficacy of soft power instruments such as diplomacy and economic aid, and considering how soft power can be combined with military hard power to form "smart power" tools.

The Asymmetric Threats symposia are at no cost to invitees. All are not-for-profit and are aimed purely at furthering dialog and initiatives that strengthen national security and promote global stability. Speakers and participants are from a variety of backgrounds and contribute their time and efforts *pro bono*.

Keynote Speaker

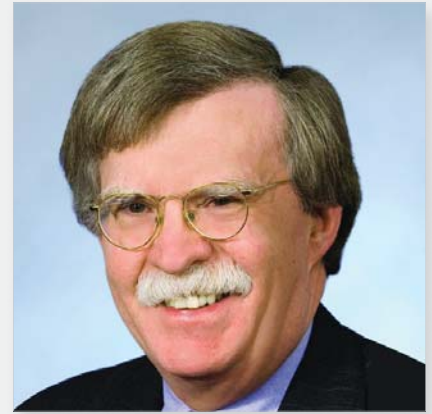
Ambassador John R. Bolton

Former United States Permanent Representative to the United Nations

John R. Bolton is a Senior Fellow at the American Enterprise Institute (AEI) and concentrates his research on U.S. foreign and national security policy. In his previous position as Senior Vice President of AEI, he supervised the AEI research program, financial oversight, public affairs, and general management. Prior to that, Ambassador Bolton served as the United States Permanent Representative to the United Nations from August 1, 2005 to December 9, 2006. From June 2001 to May 2005, he served as Under Secretary of State for Arms Control and International Security, also in the Bush Administration.

Ambassador Bolton has spent many years of his career in public service. His previous positions include Assistant Secretary for International Organization Affairs at the Department of State; Assistant Attorney General, Department of Justice; Assistant Administrator for Program and Policy Coordination, U.S. Agency for International Development; and General Counsel, U.S. Agency for International Development.

Ambassador Bolton is also an attorney. He was an associate at the Washington office of Covington & Burling, and then a member of the firm from 1983 to 1985, after public service at the U.S. Agency for International Development. Ambassador Bolton is currently "of counsel" to the law firm of Kirkland & Ellis.



Keynote Speaker

Frances Townsend

Chairman of the Board of Directors, Intelligence and National Security Alliance, and former Homeland Security Advisor to President George W. Bush

Frances Townsend chairs the Board of the Intelligence and National Security Alliance and is an on-air contributor for CNN as a counterterrorism, national and homeland security expert. She serves as the Senior Vice President of Worldwide Government, Legal and Business Affairs at MacAndrews and Forbes Holdings, Inc.

Ms. Townsend also chairs the compensation committees of two private company boards, and serves as Director of a public company. She serves on numerous government advisory and nonprofit boards and is a member of the Council on Foreign Relations and the Trilateral Commission.

Previously, Ms. Townsend served as Assistant to President George W. Bush for Homeland Security and Counterterrorism and chaired the Homeland Security Council from May 2004 until January 2008. Additionally, Ms. Townsend served as Deputy Assistant to the President and Deputy National Security Advisor for Combating Terrorism from May 2003 to May 2004. Prior to serving the President, she was the first Assistant Commandant for Intelligence for the U. S. Coast Guard. Before that, Ms. Townsend spent 13 years at the U.S. Department of Justice under the administrations of President George H. W. Bush, President Bill Clinton and President George W. Bush.



Keynote Speaker

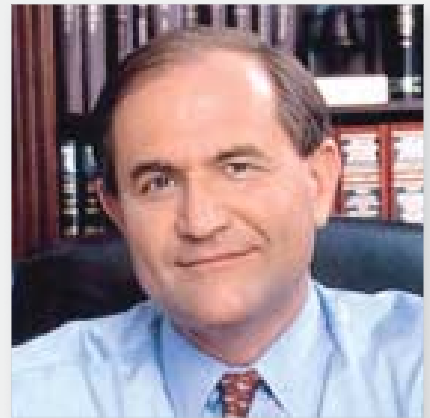
The Honorable James S. Gilmore, III

Former Governor of the Commonwealth of Virginia

In a career encompassing important roles as an attorney, army intelligence specialist, prosecutor and state attorney general, Governor Gilmore rose to become the 68th Governor of the Commonwealth of Virginia. He currently serves as President and CEO of the Virginia-based Free Congress Foundation, a non-profit, non-partisan organization that works to develop new ideas and positive solutions from a conservative point of view in the areas of economic liberty.

Before running for governor, Governor Gilmore served as Virginia's Attorney General and launched successful investigations into Medicaid fraud, government waste and consumer protection. During his term as Virginia's executive leader, from 1998 to 2002, Governor Gilmore created the nation's first secretariat of technology, established a statewide technology commission, and signed into law the nation's first comprehensive state Internet policy.

He also chaired the U.S. Congressional Advisory Panel to Assess Domestic Response Capabilities Involving Terrorism and Weapons of Mass Destruction, established by Congress to assess federal, state and local government capabilities to respond to the consequences of a terrorist attack. Also known as the "Gilmore Commission," this panel was influential in developing the Office of Homeland Security. After 9/11, Congress adopted 146 of the Gilmore Commission's 164 recommendations.



Host's Opening Remarks

Dr. J.P. (Jack) London

Executive Chairman, CACI International Inc

Dr. J.P. (Jack) London is Executive Chairman and Chairman of the Board of CACI International Inc. He is the co-founder, with Dr. Phillips, of CACI's Asymmetric Threat Symposium series. He previously served as CACI's President and Chief Executive Officer for 23 years. In his current position, Dr. London oversees strategic initiatives to ensure shareholder value, advance client missions, cultivate key client relationships, and monitor major financial transactions, including CACI's legacy mergers and acquisitions program, which he began in 1992. Since then, CACI has made 50 acquisitions that have greatly strengthened its position in managed networks, information assurance, and the security and intelligence services markets for the 21st century.

Dr. London has an established role as a public figure representing CACI to customers and the federal information technology industry. His efforts also focus on the evolution and transformation of defense, intelligence, information technology and network communications. Dr. London was one of the first IT leaders to see the need for solutions to help our country combat the asymmetric threat of our nation's enemies. In an address to the Northern Virginia Technology Council in February 2002, he emphasized the need for aggressive use of IT to deliver operational dominance on the battlefield and national security at home.

Under Dr. London's leadership, CACI has grown from a small consulting firm into a \$3.15 billion worldwide professional services and information technology company. Today, CACI is a leader in delivering integrated intelligence and security solutions for the intelligence community and the Armed Forces, protecting our warfighters, and securing our nation.



Cybersecurity: Keeping Pace with Technology Change and Threats

Subject matter experts will bring a diversity of perspectives to a discussion of the current pace of technology change and the foreseeable cyber threat environment, and will draw connections between cyber threats and threats to the industrial base. Panelists will focus on events in the public record, application and integration strategies by cyber actors in offensive and defensive modes, and extant limitations and obstacles to effective cybersecurity, including resources, jurisdiction, authorities and governance. Are efforts for integrating the nation's many critical infrastructure and key resource protection initiatives successful, comprehensive, and adequately resourced and managed to provide long-term frameworks for dealing with a wide range of threats?

Moderator: MajGen Thomas L. Wilkerson, USMC (Ret.)

Chief Executive Officer of the U. S. Naval Institute (USNI)

Major General Wilkerson is the Chief Executive Officer of the U.S. Naval Institute, one of the oldest professional military associations in the United States. Prior to joining USNI, MajGen Wilkerson was the Executive Vice President of a publishing house focusing on first responder training. From 1998 to 2001 he was President/CEO of a subsidiary to a Fortune 250 financial services firm. Following 9/11, he began advising corporations on homeland security, counterterrorism, and defense transformation. After graduating from the U.S. Naval Academy in 1967, MajGen Wilkerson spent 31 years in the Marine Corps. He began his career as a Marine Aviator and rose to the rank of Major General. His last assignment was as Commander, Marine Forces Reserve, the largest command in the Marine Corps.



Panelists



Steven R. Chabinsky

Deputy Assistant Director, Cyber Division, Federal Bureau of Investigation

Steven R. Chabinsky serves as Deputy Assistant Director within the FBI's Cyber Division. The Division manages all FBI domestic and international investigative and outreach efforts focused on protecting the U. S. from cyber attack, cyber espionage, online child exploitation, Internet fraud, and intellectual property rights thefts.

Mr. Chabinsky recently completed a joint duty assignment with the Office of the Director of National Intelligence (ODNI) where he served as Assistant Deputy Director of National Intelligence for Cyber (Acting), the Chair of the National Cyber Study Group, and the Director of the Joint Interagency Cyber Task Force. In these roles, he led the ODNI's efforts to coordinate, monitor, and provide recommendations to the President regarding implementation of U.S. cyber strategy.



Richard M. Gray

Associate General Counsel, Office of the Deputy General Counsel for Acquisition and Logistics, Department of Defense

Richard M. Gray is an Associate General Counsel in the Office of the Deputy General Counsel for Acquisition and Logistics, Department of Defense. His primary duties include advising the Assistant Secretary of Defense for Networks and Information Integration/DoD Chief Information Officer, and the Under Secretary of Defense for Acquisition, Technology and Logistics, on cyberspace and information law, intellectual property, information and technology acquisitions, and technology transfer.

Mr. Gray chairs the Defense Acquisition Regulations Council's Patents, Data and Copyright Committee, and serves as a subject matter specialist for the Federal Acquisition Regulations Law Team. He previously served as Associate General Counsel and later Director of the Intellectual Property Office for the Department of the Air Force's Acquisition Law Division, Office of the General Counsel.



Gilman Louie

Partner, Alsop Louie Partners, and Former Chief Executive Officer, In-Q-Tel

Gilman Louie is a Partner of Alsop Louie Partners, a venture capital fund focused on helping entrepreneurs start companies. He is also the founder and former CEO of In-Q-Tel, a strategic venture fund created to help enhance national security by connecting the Central Intelligence Agency and U.S. Intelligence Community with venture-backed entrepreneurial companies.

Mr. Louie is a member of the Markle Foundation Task Force on National Security in the Information Age and a member of the Technical Advisory Group for the United States Senate Select Committee on Intelligence. He also chairs the committee on Persistent Forecasting of Disruptive Technologies for the National Academies and was recently appointed to the National Commission for Review of Research and Development Programs of the U.S. Intelligence Community.



Terry Roberts

Executive Director, Acquisition Support Program/Interagency and Cyber, Carnegie Mellon Software Engineering Institute

Terry Roberts serves as Executive Director of Carnegie Mellon Software Engineering Institute (SEI), leading all customer support for the U.S. Department of Defense, the U.S. Intelligence Community, and the rest of the U.S. Interagency, with a special focus on network security and acquisition excellence in today's cyber environment.

Before coming to the SEI, Ms. Roberts was the Deputy Director of Naval Intelligence (DDNI), where she led more than 20,000 intelligence and information-warfare military and civilian professionals and managed more than \$5 billion in resources, technologies and programs globally. An intelligence professional since 1979, Ms. Roberts has held many other senior intelligence positions, including Commander Naval Forces Europe and Commander-in-Chief NATO AFSOUTH as well as Director, Defense Intelligence Resource Management Office.

A View from the Hill

Members of Congress will offer perspectives on the state of America's successes, failures, strategies, challenges and unknowns in keeping the nation's industrial base safe from cyber threats. They will address legislative issues faced in building a flexible structure of defenses, responsibilities and budgets that will enable America's highly structured governmental system to effectively engage a highly dynamic networked business/technical environment. What has already been done and what remains? What do we do next?

Moderator: Paul M. Cofoni

President and Chief Executive Officer, CACI International Inc

Paul M. Cofoni has more than 30 years of senior-level executive experience in business development, mergers and acquisitions, strategic planning, and extensive federal market operations. As President and Chief Executive Officer of CACI International Inc, he leads the company in aligning its core competencies, innovative tools and best-value solutions to help the U.S. government protect our nation and counter global terrorism. Under Mr. Cofoni's guidance, CACI has broadened its penetration of the federal marketplace and further integrated its capabilities into homeland security, the Intelligence Community, and communications activities of the federal government. Previously, Mr. Cofoni served as CACI's President of U.S. Operations. Before joining CACI, he served as President, Federal Sector, of Computer Sciences Corporation.



Panelists



The Honorable Darrell Issa

Chairman, Committee on House Oversight

Congressman Darrell Issa represents California's 49th Congressional District in the United States House of Representatives, a seat he has held since 2001. As a Congressman and leader in California grassroots politics, he has championed the cause of smart, efficient government, and has pushed legislation to balance the federal budget and promote transparency across the federal bureaucracy. He is currently a member of the House Judiciary Committee and the Oversight and Government Reform Committee, where he serves as the Chairman.

Previously, Rep. Issa served on the House Permanent Select Committee on Intelligence, the Foreign Affairs Committee, the Energy & Commerce Committee, and the Small Business Committee. He also served in the U.S. Army, ultimately obtaining the rank of captain. Rep. Issa previously enjoyed a career in business as the CEO of California-based Directed Electronics.



The Honorable Charles Albert "Dutch" Ruppensberger, III

Ranking Member of the House Select Committee on Intelligence

Congressman C.A. Dutch Ruppensberger is serving his fourth term in the United States House of Representatives for the citizens of Maryland's 2nd District. Congressman Ruppensberger is known as a common sense consensus builder who works with members from both sides of the aisle.

The Congressman serves on the Appropriations Committee and the House Select Committee on Intelligence. The Appropriations Committee is responsible for funding federal budgets including agriculture, defense, energy and water, foreign operations, homeland security, the environment, labor, health and human services, military, science, and transportation. He serves on the Homeland Security, Commerce Justice and Science, and Legislative Branch subcommittees and was the first Democratic freshman ever to be appointed to the House Select Committee on Intelligence.

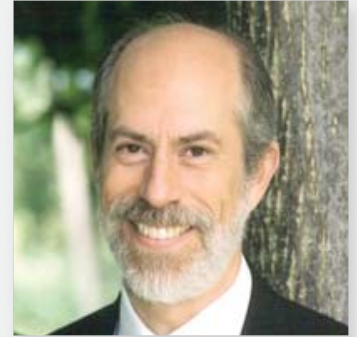
The Insider Threat

Subject matter experts will discuss the challenges posed by insider threats in a cyber world. Panelists with extensive real-world experience will examine critical aspects of security and counterintelligence related to incidents such as WikiLeaks, Stuxnet, and other insider threat-related events. Is the existing legal and policy framework agile, responsive and effective enough to address similar events in the future? Technology and procedures exist to mitigate the insider threat, but policy, authority and implementation have lagged. Why?

Moderator: Frank J. Gaffney

President, Center for Security Policy

Frank J. Gaffney is the Founder and President of the Washington, DC-based Center for Security Policy, a not-for-profit, non-partisan resource for timely, informed and penetrating analyses of foreign and defense policy matters. Mr. Gaffney is also the host of Secure Freedom Radio, a nationally syndicated radio program that addresses current and emerging threats to national security, and the lead author of *War Footing: Ten Steps America Must Take to Prevail in the War for the Free World*. He contributes actively to the security policy debate in his capacity as a weekly columnist for the *Washington Times*, *TownHall.com*, and *JewishWorldReview.com*. Mr. Gaffney previously served under President Reagan as the Assistant Secretary of Defense for International Security Policy, the senior position in the Defense Department with responsibility for policies involving nuclear forces, arms control and U.S.-European defense relations.



Panelists



Stephen Smith

Executive Assistant Director for National Security, Naval Criminal Investigative Service

As the Executive Assistant Director for National Security at the Naval Criminal Investigative Service (NCIS), Special Agent Stephen Smith is responsible for NCIS' worldwide counterintelligence, counterterrorism, force protection, cyber, and Security Training Assessment and Assistance Team programs. He was promoted to Defense Intelligence Senior Executive Service in June 2008 and has 27 years of federal service.

Previously, Special Agent Smith served as the Assistant Director for Inspections/Inspector General, reporting to the Director of NCIS. His past roles have also included Special Agent in Charge of the NCIS Southeast Asia Field Office in Singapore, Special Agent in Charge of the NCIS Middle East Field Office in Bahrain, Chief of the NCIS Counter Terrorism Task Force, and Deputy Assistant Director for Counter Terrorism. Special Agent Smith first joined the NCIS in 1984.



Troy Sullivan

Director of Counterintelligence, Office of the Undersecretary of Defense for Intelligence

Troy (Toby) Sullivan has served as the Director of Counterintelligence in the Office of the Secretary of Defense since 2004. He is responsible for developing, staffing and promulgating counterintelligence and credibility assessment policy for the Department of Defense. Mr. Sullivan also provides oversight of the Department's counterintelligence and credibility assessment programs and represents counterintelligence and credibility assessment at departmental, national and international forums. For nearly a year, he served as the Acting Deputy Under Secretary of Defense for Counterintelligence and Security.

Mr. Sullivan initially joined the Counterintelligence Directorate as a Special Assistant for Counterintelligence in September 1997. Previously, he spent 29 years in the U.S. Air Force, which included an assignment to the Air Force Office of Special Investigations (AFOSI) as a Special Agent.



Michelle Van Cleave

Former National Counterintelligence Executive

Michelle Van Cleave is a principal with the Jack Kemp Foundation. She previously served as the National Counterintelligence Executive under President George W. Bush, who appointed her to set up and lead the new office created by Congress in 2002. As the head of U.S. counterintelligence, she was responsible for providing strategic direction and ensuring the integration of counterintelligence activities across the government.

Ms. Van Cleave's prior government positions include Special Assistant to the Under Secretary for Policy, Department of Defense, and General Counsel and Assistant Director for National Security Affairs of the White House Office of Science and Technology Policy.



David M. Wennergren

Assistant Deputy Chief Management Officer, Department of Defense

David M. Wennergren serves as the Department of Defense (DoD) Assistant Deputy Chief Management Officer, where he is the principal deputy to the DoD Deputy Chief Management Officer and champions the Department's efforts to better synchronize, integrate, coordinate and improve business operations. He also serves as the Director of the DoD Business Transformation Agency.

Prior to his current assignment, Mr. Wennergren served as Deputy Assistant Secretary of Defense for Information Management, Integration and Technology/Deputy Chief Information Officer. In addition, he served for five years as the Vice Chair of the U.S. government's Federal CIO Council, as well as serving as the Chair of the Department of Defense Identity Protection and Management Senior Coordinating Group and Chair of the Committee for National Security Systems.



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