



His Excellency Jaak Aaviksoo

Jaak Aaviksoo has had long and successful academic career - PhD in Physics, Professor, Member of the Estonian Academy of Sciences, Rector of the University of Tartu. He has written more than 100 research papers and over 80 publicist articles between 1976 and 2002, and is a member of many international research organizations.

He was Member of Cabinet during 1995-1996 as Minister of Education, became Member of Parliament in 2007 and holds the position of Minister of Defence since April 2007. He is a member of the Union of Pro Patria and Res Publica.

The Honorable Rand Beers

Rand Beers was appointed by President Barack Obama to serve as the Under Secretary for the National Protection and Programs Directorate (NPPD) at the U.S. Department of Homeland Security. On June 19, 2009, Beers was confirmed by the United States Senate to direct NPPD's integrated efforts to reduce risks to physical, cyber and communications infrastructures. NPPD collaborates with all levels of government, the private sector, non-government organizations, and international bodies to prevent, respond to, and mitigate threats to U.S. national security from acts of terrorism, natural disasters, and other catastrophic events.

As Under Secretary for NPPD, Beers oversees the coordinated operational and policy functions of the Directorate's subcomponents – Cybersecurity and Communications (CS&C), Infrastructure Protection (IP), Risk Management and Analysis (RMA), and the United States Visitor and Immigrant Status Indicator Technology (US-VISIT) program – in support of the Department's critical mission.

Beers has served as Counselor to Secretary Napolitano since January 21, 2009 and will continue in that capacity while directing the activities of NPPD. Before his appointment, he was the co-leader of the Department of Homeland Security Transition Team for incoming Obama Administration. Prior to the 2008 election, Beers was the President of the National Security Network, a network of experts seeking to foster discussion of progressive national security ideas around the country, and an Adjunct Lecturer at the Kennedy School of Government at Harvard, starting both in 2004.

Beers began his professional career as a Marine officer and rifle company commander in Vietnam (1964-1968). He entered the Foreign Service in 1971 and transferred to the Civil Service in 1983. He served most of his career in the Department of State, including as Deputy Assistant Secretary of State for Regional Affairs in the Bureau of Politico-Military Affairs, focusing on the Middle East and Persian Gulf (1992-1993). He was Assistant



SPEAKER BIOGRAPHIES



Secretary of State for International Narcotics and Law Enforcement Affairs (1998-2002).

Beers also served on the NSC Staff under the previous four Presidents: Director for Counterterrorism and Counter-narcotics (1988-1992), Director for Peacekeeping (1993-1995), and Special Assistant to the President and Senior Director for Intelligence Programs (1995-1998), and Special Assistant to the President and Senior Director for Combating Terrorism on the NSC Staff (2002-2003). He resigned from the NSC Staff in March 2003, retired from government service in April 2003, and served as national security advisor for the Kerry-Edwards campaign (2003-2004).

Beers earned a bachelor's degree from Dartmouth College and a master's degree from the University of Michigan.

Dr. William Berry

Dr. William O. (Bill) Berry is a Distinguished Research Fellow at the Center for Technology and National Security Policy, National Defense University. He also holds an appointment as a Senior Research Scientist in the Department of Biology at the University of Maryland.

As the Acting Deputy Under Secretary of Defense for Laboratories and Basic Sciences (2004-2006) and the Director for Basic Research (2001-2006), Dr. Berry was responsible for providing scientific leadership, management oversight, policy guidance and coordination of the \$1.3 billion yearly basic research programs of the Military Services and Defense Agencies. In this capacity, Dr. Berry had cognizance over the complete spectrum of basic research. In addition, he was responsible for science, technology, engineering and mathematics education and workforce issues, policy for grants, policy for defense laboratories and international science and technology programs.

Dr. Berry began his association with the Department of Defense as a National Research Council Postdoctoral Fellow at the Air Force Aerospace Medical Research Laboratory in 1976. At the Air Force Office of Scientific Research (1978-1997) he was responsible for the Air Force's basic research program in chemistry and life sciences. From 1983-1988 he served on the Aerospace Medical Panel of the North Atlantic Treaty Organization (NATO) Advisory Group for Aerospace Research and Development. Dr. Berry served as the U.S. Principal Member on the NATO Research and Technology Board (2005-2006) and as the U.S. Washington Deputy for The Technical Cooperation Program (TTCP) with Australia, Canada, New Zealand and the United Kingdom (2001-2006). From 1997-2001, Dr. Berry served as the Associate Deputy Assistant Secretary of the Air Force for Science Technology and Engineering and Director of the Washington Office of the Air Force Research Laboratory.



SPEAKER BIOGRAPHIES



Dr. Berry's research publications are in the fields of environmental toxicology and neuroscience. He is the co-editor of four scientific books and monographs. Dr. Berry earned a BS in Biology from Lock Haven University, Lock Haven, PA, a MAT in Zoology from Miami University, Oxford, OH, and a Ph.D. in Zoology from the University of Vermont, Burlington, VT. He is a member of the American Association for the Advancement of Science and Sigma Xi, The Scientific Research Society.

Mr. Robert Butler

Mr. Robert (Bob) Butler is Deputy Assistant Secretary of Defense for Cyber and Space Policy. He is responsible for providing insightful policy advice and support to the Secretary of Defense and other senior Department of Defense (DOD) leaders by formulating, recommending, integrating, and implementing policies and strategies to improve United States Cyber and Space posture. This encompasses DoD policy relating to requirements, capability development, operations, declaratory policy, employment, and international cooperation or agreements.

Mr. Butler served as an Account Executive with Computer Sciences Corporation, managing Defense Intelligence business with Combatant Commands and Military Services. Mr. Butler managed approximately 200 employees at over ten separate customer locations in the United States, Germany and the United Kingdom. Mr. Butler is a former member of the Senior Executive Service, and recently was the Associate Director, Joint Information Operations Warfare Command, Lackland Air Force Base, Texas. In this position, Mr. Butler advised the JIOWC commander and US Strategic Command leadership on key information operations issues and opportunities for providing superior support to combatant command and Department of Defense plans and operations. Additionally, Mr. Butler guided the development of JIOWC IO strategies and technologies to enhance mission support. Mr. Butler is a retired U. S. Air Force officer. From December 1979 to August 2005, he served in a variety of intelligence and communications-computer systems positions in the continental United States and Europe at the detachment, squadron, group, major command, unified command, Headquarters Air Force and Office of the Secretary of Defense levels.

Mr. Butler earned a Bachelor of Science degree in computer information systems with a minor in Spanish from Manhattan College in Riverdale, N.Y. (AFROTC Distinguished Graduate, 1979). He also completed Squadron Officer School, Maxwell AFB, Ala (1981); received a Master of Business in Administration from the University of Maryland, College Park, Md. (1983); graduated Air Command and Staff College (Distinguished Graduate), Maxwell AFB, Ala.(1994); and was a National Defense Fellow, Institute for the Study of



SPEAKER BIOGRAPHIES



Diplomacy, School of Foreign Service, Georgetown University, Washington D.C. (1998).

Mr. James Craft

As Deputy Director, Command, Control, Communications and Computers (C4) Directorate, Headquarters Marine Corps, Mr. Craft serves as Deputy Chief Information Officer (CIO) and deputy G-6 for the Marine Corps. He leads approximately 1500 Civilian Marines in the Information Technology (IT)/Information Assurance (IA) occupational fields and assists the Director in overseeing annual Marine Corps IT/C4 investments of approximately four billion dollars.

Mr. Craft entered the Senior Executive Service in October, 2006 and has four and a half years previous Federal civilian service.

From September 2005 to October 2006, he served as Senior Telecommunications Advisor, Afghanistan Reconstruction Group, US Embassy Kabul, the senior lead for US government reconstruction and development activities in the Afghan Information Communications Technology (ICT) Sector and the Afghan Ministry of Communications. Mr. Craft quickly focused disparate efforts from various US government departments and agencies and the private sector into a coordinated program which greatly improved performance and attracted private sector investments. He established effective interagency and public/private sector working groups both in the US and in Afghanistan which increased the level of collaboration, speed of execution, and overall results.

From March 2005 until his departure for Afghanistan in September, Mr. Craft was a Director with PricewaterhouseCoopers Washington Federal Practice, leading technology engagements supporting the Department of Defense and other organizations. There he led winning business development and proposal efforts which resulted in the firm obtaining a place on government contracts with a combined ceiling totaling forty billion dollars.

From January 2004 to March 2005, Mr. Craft was the Chief Information Security Officer (CISO) for Raytheon's Intelligence and Information Systems (IIS) Company. He led IT, IA, and customer engagements, and chaired the Raytheon-wide Information Security and Information Management Technical Interest Group. At the request of NSA, Mr. Craft led a consortium of companies (large and small businesses) and professional associations addressing certification and workforce issues related to the security engineering profession.

From January 2003 to January 2004, he was the Director of IT Strategic Planning for Raytheon IIS and IT Director for the Mid-Atlantic region. He was the executive assisting the IIS CIO align the IT investments to the business objectives and customer needs.



SPEAKER BIOGRAPHIES



Additionally, he provided technical oversight and support for a wide range of client and business development work.

From November 2001 to January 2003, he was the IT Director for the \$1.1 billion Strategic Systems Business Unit in Raytheon's C3I Company, leading successful efforts to improve performance, lower cost and guide the IT organization through a large-scale corporate reorganization.

From January 1998 to November 2001, Mr. Craft led the creation of a new IA Program at the US Agency for International Development as the Agency's Information Systems Security Officer. This program received an "A+" FISMA score only a few years after its creation and has maintained this high standard since. He also chaired the Security Practices Subcommittee of the Federal CIO Council which created a Federal Best Security Practices pilot initiative, leading the development and implementation of various government-wide best security practices such as Certification and Accreditation.

From 1983 to 1998, Mr. Craft led security and information technology departments and teams, managed projects, and served as a contributing analyst and engineer with SRA International, Booz-Allen & Hamilton, and Betac Corporation. Much of this work was in the National Security Emergency Preparedness and Command, Control, Communications, and Intelligence areas.

From 1979 to 1983, Mr. Craft served in the Marine Corps as a Communications Officer achieving the rank of Captain and served for three years as a logistics officer in the Marine Ready Reserves.

In June 2007, he was awarded the Department of Defense Exceptional Public Service Medal for his work in Afghanistan. In December 1999, Mr. Craft received both the US Agency for International Development Annual Inspector General Achievement Award for the development of a significantly enhanced Agency Information Systems Security Program and the NSA Systems Security Engineering Capability Maturity Model program achievement award for leading successful government-wide efforts to share best security practices. Mr. Craft has also received various industry awards throughout his career.

Mr. Craft holds a BS degree in business management from George Mason University. He is a graduate of the National Defense University Information Resources Management College Advanced Management Program, with both CIO and CNSS 4011 IA Certificates, and completed the Federal Executive Institute Program for the US Agency for International Development. Mr. Craft holds a Certified Information Systems Security Professional,



SPEAKER BIOGRAPHIES



Information Systems Security Architecture, Engineering and Management Professional designations from the International Information Systems Security Certification Consortium.

Mr. Craft is a member of the Armed Forces Communications Electronics Association, the Marine Corps Association, and the Association of the US Army.

BG John Davis

Brigadier General John A. Davis, United States Army, is the Deputy Commander, Joint Task Force-Global Network Operations. In this capacity, he provides direct support to United States Strategic Command in defense of the Global Information Grid. A graduate of the United States Military Academy, BG Davis entered active duty as an Infantry Officer in the 82d Airborne Division at Fort Bragg and attended the Army Command and General Staff College and Infantry Officer Advance Course before earning a Master of Strategic Studies from the U.S. Army War College. BG Davis saw combat duty in Grenada during Operation URGENT FURY, in Panama supporting Operation JUST CAUSE, and in Southwest Asia in support of Operation ENDURING FREEDOM. He has been assigned to a variety of command, troop, and staff officer positions, including Headquarters Company Commander, Berlin Brigade; Ranger Rifle Company Commander, 75th Ranger Regiment; Commander 1st Information Operations Command (Land); Airborne Rifle Platoon Leader, Mortar Platoon Leader and Company Executive Officer, 82d Airborne Division; Division Long Range Reconnaissance Platoon Leader, 82d Airborne; Battalion Adjutant, United Nations Command Security Forces - Joint Security Area in Panmunjom; Division Secretary General Staff and Executive Officer, 82d Airborne Division; Aide de Camp to the Commanding General, XVIII Airborne Corps, Fort Bragg; Ground Operations Crisis Action Planner and Information Operations Planner, United States Atlantic Command, Norfolk, VA; Information Operations Division Chief, Joint Special Operations Command, Fort Bragg; and Deputy Director for Information Operations, U.S. Special Operations Command, Tampa, FL. A master parachutist with a combat jump in Panama, BG Davis has also earned the Combat Infantryman Badge, Expert Infantryman Badge, Pathfinder Badge, and Ranger Tab.

Mr. Robert Dix, Jr.

Bob Dix currently serves as the Vice President of Government Affairs & Critical Infrastructure Protection for Juniper Networks. During his career, he has served in senior leadership roles in industry and government, including serving as Staff Director for the House Government Reform Subcommittee on Technology, Information Policy,



SPEAKER BIOGRAPHIES



Intergovernmental Relations and the Census during the 108th Congress.

He represents Juniper on the Industry Executive Subcommittee for the President's National Security Telecommunications Advisory Committee and currently serves as Chair of the IT Sector Coordinating Council. Mr. Dix serves on the National Security Task Force for the U. S. Chamber of Commerce and the Executive Committee for the Partnership for Critical Infrastructure Protection. Dix also served as a local government elected official for 12 years and in his spare time coaches AAU/Travel basketball.

Ms. Karen Evans

Karen S. Evans is an independent consultant in the areas of leadership, management and the strategic use of information technology. She recently retired after nearly 28 years of federal government service with responsibilities ranging from a GS-2 to Presidential Appointee as the Administrator for E-Government and Information Technology at the Office of Management and Budget (OMB) within the Executive Office of the President. She oversaw the federal IT budget of nearly \$71 billion which included implementation of IT throughout the federal government. This included advising the Director of OMB on the performance of IT investments, overseeing the development of enterprise architectures within and across the agencies, directing the activities of the Chief Information Officers (CIO) Council, and overseeing the usage of the E-Government Fund to support interagency partnerships and innovation. She also had responsibilities in the areas of capital planning and investment control, information security, privacy and accessibility of IT for persons with disabilities, and access to, dissemination of, and preservation of government information. Included in her accomplishments are making IPv6, HSPD-12, and SmartBUY (which is leveraging the federal government requirements) a reality; elevating the importance of transparency with the publication of the Management Watch List and High Risk List projects; increasing the focus on cybersecurity to include the Federal Desktop Core Configuration for the government; and balancing the expanded use of technology for citizen services with increasing demands for privacy.

Prior to becoming the Administrator, Ms. Evans was the Chief Information Officer for the Department of Energy. There she was responsible for the design, implementation, and continuing successful operation of IT programs and initiatives throughout the Department and its offices. During this time, she was the Vice-Chairman of the Federal CIO Council. Elected to the post in December 2002, she coordinated the Council's efforts in developing federal IT programs and improving agency information resources practices.

Before joining Energy, she was Director, Information Resources Management Division, Office of Justice Programs (OJP), U.S. Department of Justice, where she was responsible



SPEAKER BIOGRAPHIES



for the management and successful operation of the IT program. OJP's bureaus and offices provide funding opportunities for initiatives such as Safe Schools, Safe Start Program, Community Prosecution, Native American Tribal Courts and other programs of high local, state and national interest. Key accomplishments included the implementation of an on-line grants management system to process grants from discretionary, formula and large block grants programs, to streamlining capabilities to ensure for the expeditious processing of claims benefits to families of public safety officers after the September 11th attacks.

She holds a Bachelor's degree in Chemistry and a Master of Business Administration degree from West Virginia University. She resides in Martinsburg, WV with husband, Randy and her two children, Jake and Samantha.

Mr. John Garstka

Mr. Garstka is a recognized thought leader on the impact of information technology on military operations. He has worked for fifteen years in varying capacities in ASD(NII), OUSD(Policy), the Office of Force Transformation, and on the Joint Staff in the Directorate for C4 Systems. He made significant contributions to the initial development of the concept of network centric warfare and has written and spoken extensively on network centric warfare and defense transformation.

Mr. Garstka served previously as an officer in the United States Air Force (USAF) for ten years, with assignments on the Air Staff and at USAF Space and Missile Center and served for fifteen years in the Air Force Reserve.

Mr. Garstka is a Distinguished Graduate of the United States Air Force Academy, where he earned a Bachelor of Science degree in Mathematics in 1983. He also holds a Master of Science Degree in Engineering-Economic Systems from Stanford University, where he studied as a Hertz Fellow.

Mr. Kevin Gates

Kevin Gates joined the House Armed Services Committee as a Professional Staff Member in March, 2007 to be responsible for the Information Technology (IT) portfolio. Previously, he worked for 8 years at Strategic Analysis, Inc of Arlington, Virginia for a variety of clients within the DoD science & technology community (including DARPA, ONR and the Defense Science Board), as well as the Homeland Security Advanced Research Projects Agency within DHS(S&T) and the intelligence community. He graduated from the University of North Carolina at Chapel Hill with BAs in History and International Studies, and has a MA from Georgetown University's Security Studies Program. He is the co-author of a chapter on critical infrastructure protection in Volume III of Homeland Security:



SPEAKER BIOGRAPHIES



Protecting America's Targets, James Forest (ed.), 2006.

Mr. Bennett Hart

Mr. Hart works across all of QNA's business groups to enhance the company's end-to-end technology solutions to the Department of Defense (DoD) and intelligence agencies. He joined QinetiQ North America in 2007, and has over 40 years of Defense and Intelligence experience with seventeen plus years in the United States Senior Executive Service.

He retired from government service serving in the Joint IED Defeat Organization (JIEDDO) as the Acting Director of Intelligence and Special Advisor to the Director of the Counter IED Operations Integration Center (COIC).

He has served as the NRO Deputy Director and Chief Engineer of the Advanced Systems and Technology Directorate, responsible for development and operational testing of new capabilities and as the NRO Chief Architect.

He served at the Defense Intelligence Agency as the Associate Deputy Director responsible for classified Operations / Science and Technology assigned to the Technical Collection and MASINT Directorate.

Mr. Hart served for five years as Deputy Program Executive Officer, Command, Control, and Communications Systems for the US Army. He was responsible for overseeing the development of automation and digitization of the Army's Force XXI, with the goal of seamlessly moving information between the strategic, operational and tactical levels to the individual soldier or fighting vehicle including Blue Force Tracking.

During Desert Shield/Desert Storm, Mr. Hart was the Technical / Deputy Director of the U.S. Army Intelligence Agency. He directed the Army's General Military Intelligence (GMI), Science & Technology (S&T), and Counter-Intelligence Production. This included the Intelligence and Threat Analysis Center, the Armed Forces Medical Intelligence Center, the Foreign Science and Technology Center, and the Missile Space and Intelligence Center; and served in the Headquarters US Army Operations Center.

He served as the Director Command, Control, Communications and Battle Management and as Director Intelligence Community Interoperability in the Office of the Assistant Secretary of Defense for Command Control Communications, and Intelligence.

Mr. Hart has also served as the Chairman of the DOD Intelligence Information Systems (DODIIS) Management Board; and as the Deputy Director (Plans and Integration) of the Joint Tactical Fusion Program Office which fielded the Army's All Source Analysis System



SPEAKER BIOGRAPHIES



(ASAS) , the Air Force’s Enemy Situation and Correlation Element (ENSCE) and NATO’s Linked Operational Capability – Europe (LOCE).

Mr. Hart is a graduate of the National Security Agency’s Cryptologic Career Course, the Defense System Management College’s Program Management Course, the Federal Executive Institute and both the Senior Managers in Government and Senior Executives in National and International Security Programs at Harvard University. He received his Bachelors Degree and a Reserve Commission from the University of Illinois as a Distinguished Military Graduate. He commanded at the company, battalion and brigade levels in the US Army Reserves. He was a scoutmaster and served as a Vice-President of the National Capital Area Council. He is an Eagle Scout and a holder of the Silver Beaver. His awards include DCI and DNI’s Meritorious Unit Citations, the NRO Director’s Team Awards and Leadership Award, the Meritorious Civilian Service Award, and the Legion of Merit. He is married to the former Margaret Porento of Chicago, Illinois a Virginia Master Gardner, and they have one daughter, Elizabeth Ann, a graduate of Virginia Tech.

Mr. John Hovell

As a leader in the convergence of Knowledge Management (KM) and business strategy, ManTech International Corporation’s Director of Knowledge Management, John Hovell, is a practitioner, speaker, and writer in KM strategy and methods. He has been instrumental in the creation and execution of ManTech’s enterprise KM strategy. In 2009, he was honored by Training Magazine as one of the "Top Young Trainers" after being honored in 2008 as one of the top “Young Trainers to Watch.” In 2007, he earned his Certified Knowledge Manager (CKM) certification from the International Knowledge Management Institute. He earned his Project Management Professional (PMP) from the Project Management Institute (PMI) in 2005. He earned his master’s degree from The George Washington University in Washington, D.C. and his undergraduate degree from Virginia Tech in Blacksburg, VA.

Dr. Daniel Kuehl

Dr. Kuehl is the Director of the Information Operations Concentration, a specialized curriculum on national security in the information age offered to selected senior students at the National Defense University. His courses concentrate on such issues as the information component of national power, information operations, cyberspace, and public diplomacy. He retired as a Lieutenant Colonel in 1994 after nearly 22 years active duty in the USAF. He holds a PhD in History from Duke University, where his dissertation focused on the Air Force's employment of electronic warfare in the decade after WW II. His publications include a wide range of academic and professional journals, and he has contributed to several books on airpower and information warfare, including the Cyberwar series from AFCEA, Information Operations by Potomac Press, and Cyberpower and National Security



SPEAKER BIOGRAPHIES



(pending from NDU Press). He is on the editorial boards of Joint Force Quarterly and the Journal of Information Warfare, is a member of the Public Diplomacy Council, the Information Operations Institute, and the Cyber Conflict Studies Association, was a member of the Defense Science Board team that wrote the 2004 report on Strategic Communication. He lectures internationally on the subject of information power, and his current research focuses on the relationship between the information age and national security.

Mr. Robert Lavigna

Bob Lavigna is Vice President of Research for the non-partisan, nonprofit Partnership for Public Service. He directs research projects that find new ways for government to attract, develop and retain talent.

Before joining the Partnership, Bob was Senior Manager of Consulting for CPS Human Resource Services, a self-supporting public agency that provides HR consulting services to federal, state and local government. He directed consulting in a 36-state region. Before that, from 1991-2001, he was Administrator of the Wisconsin civil service system and directed a statewide labor-management cooperation program. Before being appointed to his Wisconsin position by the governor, Bob served with the Government Accountability Office for 17 years.

The organizations Bob has led have received innovation and achievement awards from the Ford Foundation, the Council of State Governments, the International Public Management Association for HR (IPMA-HR), the National Association of State Personnel Executives, the Urban League, and others. Bob's individual awards and honors include selection as a "Public Official of the Year" by Governing magazine. He is also a Fellow of the National Academy of Public Administration. He writes frequently for journals and other publications and has authored three book chapters.

Bob is a past national president of IPMA-HR and a past chair of the American Society for Public Administration Section on Personnel. He has a B.A. in Public Affairs from George Washington University and an M.S. in HR from Cornell University.

The Honorable William Lynn

William J. Lynn III is the 30th Deputy Secretary of Defense. Mr. Lynn's career has included extensive public service at various levels within government. Mr. Lynn served as the Under Secretary of Defense (Comptroller) from 1997 until 2001 and for four years prior to that he was the Director of Program Analysis and Evaluation (PA&E) in the Office of the Secretary of Defense.



SPEAKER BIOGRAPHIES



Before entering the Department of Defense in 1993, Mr. Lynn served for six years on the staff of Senator Edward Kennedy as liaison to the Senate Armed Services Committee. Prior to 1987, he was a senior fellow at the National Defense University and was on the professional staff of the Institute for Defense Analyses. From 1982 to 1985, he served as the executive director of the Defense Organization Project at the Center for Strategic and International Studies.

Mr. Lynn also has experience in the private sector from 2001-2009. He served as senior vice president of Government Operations and Strategy at Raytheon Company. He also served as executive vice president of DFI International, a Washington-based management consulting firm, from 2001 to 2002.

A graduate of Dartmouth College, Mr. Lynn has a law degree from Cornell Law School and a master's in public affairs from the Woodrow Wilson School at Princeton University. His publications include a book, *Toward a More Effective Defense*, as well as articles in various newspapers and professional journals. He has been recognized for numerous professional and service contributions, including three DoD medals for distinguished public service, the Joint Distinguished Civilian Service Award from the Chairman of the Joint Chiefs of Staff, and awards from the Army, Navy and Air Force.

Mr. Kirk McConnell

Kirk McConnell since 2007 has served as a Professional Staff Member of the majority staff of the United States Senate Committee on Armed Services (SASC). His areas of responsibility include the Military Intelligence Program, the National Intelligence program, cyber security, and Marine Corps ground force programs.

Prior to joining the SASC staff, Mr. McConnell served for two years on the Senate Select Committee on Intelligence as the Committee's monitor for the Consolidated Cryptologic Program, Special Activities, and the Military Intelligence program.

For the previous 10 years, Mr. McConnell served on the minority staff of the House Permanent Select Committee on Intelligence, where his oversight responsibilities included the National Reconnaissance Office, the National Geospatial Intelligence Agency, Special Activities, the Military Intelligence Program, intelligence reform legislation, and multiple special investigations.

For the preceding 8 years (1987-1995), Mr. McConnell served on the SASC majority staff, with responsibilities for DoD intelligence programs, C3 and space programs, most of the defense agencies, Army and Marine Corps ground force programs, and FEMA defense



SPEAKER BIOGRAPHIES



programs.

From 1979-1987, Mr. McConnell worked in the private sector conducting studies and analyses for DoD elements and aerospace companies.

Mr. Lynn McNulty

Lynn McNulty has been an independent consultant since January 2001. He provides government affairs, business development, information security policy and program management consulting services to private and public sector clients. He also serves as the Director of Government Affairs for the International Information Systems Security Certification Consortium (ISC)².

Mr. McNulty retired from the federal government in May of 1995 as the Associate Director of the Computer Systems Laboratory at NIST. He spent most of his thirty-two government career working in the information security field at a variety of agencies to include CIA, FAA, State Department and NIST. Mr. McNulty is a member of the Information Security and Privacy Advisory Board, originally established in the Computer Security Act of 1987 and reauthorized by the Federal Information Security Management Act.

He is a native of Oakland California, and graduated from the Berkley campus of the University of California with a Bachelor in Political Science. He also received a Master of Arts in International Relations from San Jose State University, San Jose, California, and a Master of Science in Administration from the George Washington University in Washington, DC.

Mr. Gerald Miller

Mr. Miller graduated from the University of Maryland with a Bachelor of Science in Electrical Engineering, and has a Master of Science in Technology Management and a Master of Business Administration in International Finance both from the University of Maryland University College. He is also a graduate of the Defense Acquisition University Advanced Program Management Course, is a registered professional engineer in the District of Columbia, and is a member of several professional societies. Mr. Miller has held positions as the Director of Shipboard Interior Communications at the Naval Sea Systems Command and Program Manager for Shipboard Voice Communications systems, and then as Assistant Director for Information Operations in the Office of the Chief of Naval Operations. Mr. Miller is an acquisition professional certified level III in program management.

Mr. Miller is married to the former Cynthia Kauff and they live in McLean Virginia. They



SPEAKER BIOGRAPHIES



have both been active volunteers at Wolf Trap since 1987 and have served in many capacities including chairing hospitality events. Mr. Miller has been a member of the Associates Board of Directors since 2005 and has served as chair of the volunteer committee, chair of the nominating committee, and member of the executive committee. Mr. Miller is now vice chair of the Associates Board of Directors and ex officio member of the Foundation Board.

Mr. Miller retired from Federal Service in January 2008 after 41 years with the Navy and now serves as a Senior Advisor for Information Operations strategy and policy on the staff of the Chief of Naval Operations.

Mr. Alan Paller

Alan Paller is director of Research at the SANS Institute, responsible for SANS' consensus research initiatives and Internet Storm Center. He chairs the Application Security Summit and the US and European SCADA Security Summit and edits NewsBites, the bi-weekly security news summary sent to 200,000 people. President Clinton named Alan one of the original members of the National Infrastructure Assurance Council, and the Federal CIO Council gave him its 2005 Azimuth Award recognizing his "singular vision and outstanding service to federal information technology." His degrees are from Cornell and MIT.

Mr. Terry Pudas

Terry Pudas is a Senior Research Fellow. His work is primarily focused on transformation and related national security issues. Prior to joining the Center, he served as the Deputy Assistant Secretary of Defense (acting), Forces Transformation and Resources in the office of the Under Secretary of Defense for Policy. In September of 2001 he was appointed as the Deputy Director of the newly created Secretary of Defense Force Transformation Office. He served as the Acting Director from January 2005 to October 2006. His primary role was to serve as advocate, focal point, and catalyst for the Department of Defense transformation efforts.

He has conducted more than 100 presentations to a wide variety of audiences including senior U.S. and foreign government officials, Members of Congress, Ministers of Defense, Chiefs of Defense and Parliamentary Delegations on transformation. He has authored numerous articles has been routinely interviewed on the subject of defense transformation. Terry Pudas retired from the Navy in September, 2001 with over 32 years of service after serving as the Deputy and Executive Assistant to the President of the Naval War College in Newport, Rhode Island. He was designated a naval aviator in May 1971, served in numerous fighter squadrons. He commanded at both the squadron and wing level and served as Air Officer on board USS MIDWAY (CV-41) deployed to the Persian Gulf and conducted



SPEAKER BIOGRAPHIES



operations in support of Desert Shield and Desert Storm.

He is a 1969 graduate of the University of Washington. In addition to his Bachelor of Science degree he holds a Master of Arts degree in National Security and Strategic Studies from the Naval War College and a Master of Arts degree in Management from Webster University. He also holds a diploma with honors in German language studies from the Defense Language Institute.

Mr. Andy Purdy

Andy Purdy is on the Executive Advisory Board of BigFix, Inc. and is a partner with the law firm of Allenbaugh Samini, LLP (www.alsalaw.com), in Washington, DC. He is also President of DRA Enterprises, Inc. (www.andypurdy.com), specializing in IT consulting, business development, and government relations. Mr. Purdy was a member of White House staff team that helped to draft the U.S. National Strategy to Secure Cyberspace (2003). At the Department of Homeland Security Mr. Purdy helped to form the National Cyber Security Division (NCSD) and the U.S. Computer Emergency Readiness Team (US-CERT), where he worked for three and a half years, the last two as the Acting Director of the NCSD and US-CERT. In 2006 he completed service as a Special Government Employee on the Defense Science Board Task Force on Mission Impact of Foreign Influence on DoD Software. Before joining the White House staff, Mr. Purdy served as Acting General Counsel, and long-time Chief Deputy General Counsel at the U.S. Sentencing Commission. Mr. Purdy served as an Assistant U.S. Attorney in the Eastern District of Pennsylvania, Senior Staff Counsel of the House Select Committee on Assassinations, Special Counsel to the House Committee on Standards of Official Conduct (Ethics), and Counsel to the Senate Impeachment Trial Committee (on the articles against Judge Walter Nixon). He also served for five years in network television news as an Associate Producer for NBC News magazines, and Producer for the CBS News broadcast NIGHTWATCH in Washington, D.C. Mr. Purdy is co-Director of the International Cyber Center being formed at George Mason University to promote strategic collaboration and information sharing to address major cyber issues such as CERT capacity building in the developing world, coordination of global cyber R&D efforts, and facilitating a global approach to cyber crime and other malicious activity.

Mr. Jake Schaffner

Jake Schaffner has had a number of interesting jobs across his career. He is a veteran of the United States Navy and retired as a captain after 27 years of service. During his naval career he served as a communications officer, chief engineer, executive officer, and, ultimately, commanded a guided missile frigate. Additionally, he served a tour as navigator aboard a German destroyer as part of the U.S.-German navy foreign exchange program.



SPEAKER BIOGRAPHIES



During his last seven years of active duty, Jake was one of the pioneers in the growing fields of information warfare and information operations. During those years he served on both the staffs of the Joint Chiefs of Staff and the Deputy Director of Central Intelligence, where his areas of responsibility included the technology and policies relating to information operations. Over the past 15 years he has been either a principal or key contributing author to significant national-level policy documents related to infrastructure protection, continuity of operations, information operations, and special technical operations.

After his retirement from the government in 2001, Jake has worked as a consultant to a variety of government agencies and offices. He is currently the Senior Advisor for Science & Technology within the Directorate for Cyber, Information Operations and Strategic Studies (CIOSS) on the staff of Under Secretary of Defense for Intelligence.

MG Gregory Schumacher

After graduating from the United States Military Academy in 1974, he served as a Platoon Leader in the 2nd Battalion, 67th Armor, and subsequently as the Battalion S2, Armor Brigade Assistant S2, and Division Support Command S2. Upon completion of his tour at Fort Hood, Major General Schumacher continued his service in the Army Reserves. While serving in the Reserves, he served five years in the civilian sector as a regional sales representative for Procter and Gamble, and subsequently as Minister of Education in two churches in Lubbock, Texas. He later joined the 4166th United States Army Reserve Forces School in Lubbock and served as the Deputy Operations Officer.

In November 1986, Brigadier General Schumacher entered the AGR program and served his initial tour as an Assistant Professor of Military Science at the University of Central Oklahoma in Edmond. He subsequently served in a wide variety of intelligence and command assignments, including Manager of Special Programs; Source/Lead Intelligence Officer for an Army Special Missions Unit; Reserve Component Intelligence Training Officer for the G2, U.S. Army Special Operations Command; Commander of the Western Army Reserve Intelligence Support Center (ARISC); the G3 Weapons of Mass Destruction Division Chief for the U.S. Army Reserve Command at Ft. McPherson, Georgia; Commander, 654th Area Support Group, 70th Regional Readiness Command; G2, U.S. Army Reserve Command; and Commander, 201st Military Intelligence Brigade, Ft. Lewis, WA. Prior to being assigned as the Assistant Deputy Chief of Staff, G-2, Major General Schumacher activated and commanded the Army Reserve Military Intelligence Readiness Command (MIRC), which consolidated command and control of all Army Reserve Military Intelligence units and detachments under one headquarters.



SPEAKER BIOGRAPHIES



Major General Schumacher completed the Armor Officers Basic Course, Airborne School, Combat Intelligence Course, the Military Intelligence Officers Advanced Course, the Combined Arms Services Staff School, the Command and General Staff College, the Reserve Component Counterintelligence Course, the Senior Reserve Officer Cryptologic Course, and the Army War College. He holds a master's degree in education. His awards include the Legion of Merit (2), Meritorious Service Medal (5), Joint Service Commendation Medal, Army Commendation Medal (5), and Army Achievement Medal (2).

Dr. Arun Seraphin

Dr. Arun A. Seraphin is a Professional Staff Member on the majority staff of the United States Senate Committee on Armed Services (SASC), where he has worked since July 2001. His areas of responsibility include the Department of Defense's science and technology programs, information technology systems, technology transition, laboratories, and test and evaluation programs. As such he assists Senators in their oversight of DOD technology programs, including in the authorization of budgets, civilian nominations, policy, and hearings.

Prior to his work on the SASC, he worked on the United States House of Representatives Committee on Science's Subcommittee on Research as a professional staff member and in the Office of Senator Joseph Lieberman as the 1999-2000 Materials Research Society – Optical Society of America Congressional Science and Engineering Fellow. In these positions, he covered both civilian and defense research and development programs.

Between 1996 and 2000, Dr. Seraphin worked in the Science and Technology Division of the Institute for Defense Analyses, where his research included work on defense technology transition, microelectromechanical systems (MEMS), export controls, technology forecasting, and international research cooperation.

In 1996, Dr. Seraphin earned a Ph.D. in Electronic Materials from the Massachusetts Institute of Technology, where he performed research on silicon nanotechnology. His research focused on the development of novel silicon nanostructures and tailoring their optical properties. He also holds bachelor's degrees in Political Science with a concentration in American Government and Engineering Science with a concentration in Materials Science from the State University of New York at Stony Brook.

The Honorable Adam Smith

Congressman Smith has lived his entire life in the 9th District of Washington State and resides in Tacoma. Now in his 7th term, Smith serves on both the Armed Services Committee and the Permanent Select Committee on Intelligence. He also served until



SPEAKER BIOGRAPHIES



recently on the House Foreign Affairs Committee for eight years. As a 13-year member of the House Armed Services Committee, he chairs the Subcommittee on Terrorism, Unconventional Threats and Capabilities, which oversees the nation's Special Operations Forces and counter-terrorism policy, among other critical areas. As a member of the Intelligence Committee, Smith is responsible for overseeing and funding the intelligence and intelligence-related activities and programs of the United States government.

Given his committee assignments, Smith has unique insights into today's foremost national security issues, including the ongoing conflicts in Iraq and Afghanistan as well as our larger efforts to stop the spread of extremist groups and their violent ideology around the globe. Smith has traveled to Afghanistan, Pakistan, Iraq and other countries throughout the Middle East as well as counties across Eastern, Central and Northern Africa where U.S. national security interests are most present. Harnessing his committee and travel experience, Smith has authored and passed legislation on national security issues such as strategic communication, irregular warfare, and international development.

Dr. Stuart Starr

Dr. Stuart H. Starr is a Distinguished Research Fellow at the Center for Technology and National Security Policy (CTNSP), National Defense University (NDU). Concurrently, he serves as President, Barcroft Research Institute (BRI). Prior to founding BRI, Dr. Starr was Director of Plans, The MITRE Corporation; Assistant Vice President for C3I Systems, M/A-COM Government Systems (currently a unit of SAIC); Director of Long Range Planning and Systems Evaluation, OASD(C3I), Office of the Secretary of Defense (where he was member of the Senior Executive Service); and Senior Project Leader, IDA. Dr. Starr received a PhD and MS in Electrical Engineering from the University of Illinois, and a BSEE from Columbia University. He has received the Clayton Thomas medal (2004) and the Vance Wanner medal (2009) from the Military Operations Research Society (MORS) for lifetime accomplishments in operations analysis.

Maj. Gen. Richard Webber

Maj. Gen. Richard E. Webber is the Commander, 24th Air Force, Lackland Air Force Base, Texas. General Webber is responsible for the Air Force's newest numbered air force which will provide combatant commanders with trained and ready cyber forces to plan and conduct cyberspace operations, and to extend, maintain and defend the Air Force portion of the global information grid. The general directs the activities of three wings and two combat communications groups, located at Lackland AFB, Tx, Tinker AFB, Okla., and Robins AFB, Ga.

He has commanded a missile squadron, support group, missile operations group, missile



SPEAKER BIOGRAPHIES



wing equivalent and two space wings. General Webber is a command space and missile operator with qualifications in the Minuteman II, Minuteman III, Global Positioning Satellite and Counter Communications System weapon systems. General Webber was commissioned as a second lieutenant upon graduation from the U.S. Air Force Academy in 1975.

Dr. Linton Wells

Dr. Linton Wells II is a Distinguished Research Professor and serves as the Transformation Chair at National Defense University (NDU). Prior to coming to NDU he served in the Office of the Secretary of Defense (OSD) from 1991 to 2007, serving last as the Principal Deputy Assistant Secretary of Defense (Networks and Information Integration). In addition, he served as the Acting Assistant Secretary and DoD Chief Information Officer for nearly two years. His other OSD positions included Principal Deputy Assistant Secretary of Defense (Command, Control, Communications and Intelligence-C3I) and Deputy Under Secretary of Defense (Policy Support) in the Office of the Under Secretary of Defense (Policy).

In twenty-six years of naval service, Dr. Wells served in a variety of surface ships, including command of a destroyer squadron and guided missile destroyer. In addition, he acquired a wide range of experience in operations analysis; Pacific, Indian Ocean and Middle East affairs; and C3I. Recently he has been focusing on STAR-TIDES, a research project focusing on affordable, sustainable support to stressed populations and public-private interoperability (www.star-tides.net).

Dr. Wells was born in Luanda, Angola, in 1946. He was graduated from the United States Naval Academy in 1967 and holds a Bachelor of Science degree in physics and oceanography. He attended graduate school at The Johns Hopkins University, receiving a Master of Science in Engineering degree in mathematical sciences and a PhD in international relations. He is also a 1983 graduate of the Japanese National Institute for Defense Studies in Tokyo, the first U.S. naval officer to attend there.

Dr. Wells has written widely on security studies in English and Japanese journals. He co-authored Japanese Cruisers of the Pacific War, which was published in 1997. His hobbies include history, the relationship between policy and technology, and scuba diving. He has thrice been awarded the Department of Defense Medal for Distinguished Public Service.

Mr. Larry Wentz

Mr. Larry Wentz is a Senior Research Fellow at the Center for Technology and National Security Policy, National Defense University, Fort McNair, Washington, DC and consults



SPEAKER BIOGRAPHIES



on Command and Control (C2) issues. He is an experienced manager, strategic planner, and C4ISR systems engineer with extensive experience in the areas of Nuclear C2, Continuity of Government C2, multinational military C2 and C3I systems interoperability, civil-military operations and information operations support to peace operations and numerous other military C4ISR activities. He also has extensive experience in business process reengineering, strategic planning and commercial telecommunications and information systems and their use in support of military C2.

Prior to joining CTNSP, Mr. Wentz was a research scientist at the George Mason University Center of Excellence in C3I. Before his assignment at GMU, he completed an ASD C3I Command and Control Research Program (CCRP) sponsored lessons from Kosovo study. Mr. Wentz conducted a similar CCRP sponsored study of lessons from Bosnia in 1996-1998 when he was at ASD C3I as the Deputy Director of the Command and Control Research Program. Prior to the Kosovo assignment, he served as Vice President of Advanced Communication Systems, Washington and before that spent thirty years with the MITRE Corporation, a not-for-profit Federally Funded Research and Development Center—two thirds of his MITRE career were spent in Europe supporting US/NATO C4ISR interoperability and the remainder as Technical Director of the Joint and Defense-wide Systems division of the MITRE Washington operation. Prior to joining MITRE, he spent 10 years with Bell Telephone Laboratories as a telecommunications systems engineer.

Mr. Wentz is a writer, author, and lecturer on multinational C4ISR systems interoperability, Information Operations and Civil-Military Operations. He was a contributing author to the AFCEA International Press books, *The First Information War* and *CYBERWAR 2.0* and Canadian Peacekeeping Press books, *The Cornwallis Group Series*. The NDU/CCRP press published his book, *Lessons from Bosnia: The IFOR Experience* and the CCRP press published his book, *Lessons from Kosovo: The KFOR Experience*. Findings from Mr. Wentz's lessons from the Gulf War study were cited in Alvin and Heidi Toffler's book, *War and Anti-War*. He has lectured at the Canadian International Pearson Peacekeeping Training Centre, the NDU School of Information Warfare and Strategy, the George Mason University Program on Peacekeeping Policy and the DIA Joint Military Intelligence Training Center.

Mr. Wentz has undergraduate degrees in Electrical Engineering from Pennsylvania State University and Monmouth College and a graduate degree in Systems Engineering and Operations Research from the University of Pennsylvania Moore School of Engineering. He has completed the Executive Management Program at the University of Pennsylvania's Wharton Business School and the Harvard John F. Kennedy School of Government Program for Senior Executives in National and International Security. Mr. Wentz holds the position of Outside Director and Chairman of the Government Security Committee for the Board of Directors for Systematic Software Engineering, Inc. He is also Chairman of the American



SPEAKER BIOGRAPHIES



Institute for Aeronautics and Astronautics (AIAA) Information and C2 Systems Technical Committee.

Mr. James Young

Jim Young is an Enterprise Manager for Google DoD focusing on Innovation and Security. His background includes working for the Directorate of Science and Technology (DS&T) at CIA where he received an Exceptional Performance Award. In addition, Jim has worked for the Walt Disney Company, a Fortune 500 IT company working on large-scale IC programs, several innovative start-up companies focusing on the DoD, and most recently, web security. He graduated from the University of South Carolina with a B.A. in International Studies with an emphasis on National Security. Jim attended graduate-level courses at University of Virginia focusing on employee motivation in the federal workforce, and at RAND Corporation focusing on Defense Analysis in the 21st Century. Recently Jim was recently elected to the AFCEA DC Chapter Board of Directors. In his free time, he plays tennis, trains on the Homes for our Troops Boston Marathon team, and works on Veteran's projects to include GoogleVoice for Homeless Vets. In his younger days, Jim lifted 2000 pounds in the leg press, completed 10,000 situps in a row, and played tennis 34 hours in a row raising money for various charities.