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Dr. Hans Binnendijk

Hans Binnendijk is currently the Theodore Roosevelt Chair in National Security Policy and Founding Director of the Center for Technology and National Security Policy at the National Defense University. He previously served on the National Security Council as Special Assistant to the President and Senior Director for Defense Policy and Arms Control (1999-2001). From 1994 to 1999, Dr. Binnendijk was Director of the Institute for National Strategic Studies at the National Defense University. Prior to that, he was Principal Deputy Director and Acting Director of the State Department's Policy Planning Staff (1993-1994). He also served as Deputy Staff Director and Legislative Director of the Senate Foreign Relations Committee (1980-1985). He has received numerous awards for his government service, including two Distinguished Public Service Awards and a Superior Service Award. In academia, Dr. Binnendijk was Director of the Institute for the Study of Diplomacy at Georgetown University, where he was also the Marshall B. Coyne Research Professor at the Edmund A. Walsh School of Foreign Service (1991-1993). He was Deputy Director and Director of Studies at London's International Institute for Strategic Studies and Editor of Survival from 1988-1991. He is author or co-author of more than 100 articles, editorials and reports. His most recent book is *Seeing the Elephant: The U.S. Role in Global Security* (Potomac Books: 2006). Dr. Binnendijk is a 1968 graduate of the University of Pennsylvania. He received his M.A.L.D. and his Ph.D. in international relations from the Fletcher School of Law and Diplomacy, Tufts University.

Mr. Dennis Bushnell

Responsible for Technical Oversight and Advanced Program formulation for a major NASA Research Center with technical emphasis in the areas of Atmospheric Sciences and Structures, Materials, Acoustics, Flight Electronics/Control/Software, Instruments, Aerodynamics, Aerothermodynamics, Hypersonic Airbreathing Propulsion, Computational Sciences and Systems Optimization for Aeronautics, Spacecraft, Exploration and Space Access . 45 years experience as Research Scientist, Section Head, Branch Head, Associate Division Chief and Chief Scientist. Technical Specialties include Flow Modelling and Control across the Speed Range, Advanced Configuration Aeronautics, Aeronautical Facilities and Hypersonic Airbreathing Propulsion . Author of 252 publications/major presentations and 310 invited lectures/seminars, Member of National Academy of Engineering , Selected as Fellow of ASME, AIAA and the Royal Aeronautical Society, 6 patents, AIAA Sperry and Fluid and Plasma Dynamics Awards , AIAA Dryden Lectureship, Royal Aeronautical Society Lanchester, Swire and Wilber and Orville Wright Lectures, ICAS Guggenheim Lecture, Israel Von Karman Lecture, USAF/NASP Gene Zara Award, NASA Exceptional Scientific Achievement and Outstanding Leadership Medals and Distinguished Research Scientist Award, ST Presidential Rank Award, 9 NASA Special Achievement and 10 Group Achievement Awards, University of Connecticut Outstanding



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Engineering Alumni, Academy of Engineers ,Pi Tau Sigma and Hamilton Awards, Univ. of Va. Engineering Achievement Award , service on numerous National and International Technical Panels and Committees and consultant to National and International organizations. DOD related committee/consulting assignments include USAF Rocket Propulsion Laboratory, BMDC, ONR, Intelligence Community/STIC, AFOSR, NRAC, NRC,WL, LLL, HASC, NUWC, DARPA, AGARD, ARL,IAT, AEDC, JANNAF, NAVSEA, Air Force 2025, AFSOC, Sandia, SAB, Army War College, ACOM Joint Futures, SOCOM,TRADOC,SEALS,JFCOM,IDA,NDU,DSB and Army After Next. Reviewer for 40 Journals and Organizations, Editor, Volume 123 of AIAA Progress Series “Viscous Drag Reduction in Boundary Layers.” Responsible for the development of several scientific improvements in atmospheric streamlining and propulsion. Contributions to National Programs include Sprint, HSCT/SST, FASTSHIP, Gemini, Apollo, RAM, Viking, X15, F-18E/F [patent holder for the “fix” to the wing drop problem], Shuttle, NASP, Submarine/Torpedo Technology, Americas’ Cup Racers, Navy Rail Gun, MAGLEV Trains and Planetary Exploration. B.S. in M.E. degree from University of Connecticut with Highest Honors, Distinction, University Scholar (1963), M.S. degree in M.E. from University of Virginia (1967).

General James Cartwright

General Cartwright serves as the eighth Vice Chairman of the Joint Chiefs of Staff. In this capacity, he is a member of the Joint Chiefs of Staff and the Nation’s second highest ranking military officer. As Vice Chairman, General Cartwright chairs the Joint Requirements Oversight Council, Co-Chairs the Defense Acquisition Board, and serves as a member of the National Security Council Deputies Committee, the Nuclear Weapons Council and the Missile Defense Executive Board. In addition, he Co-Chairs the Deputies Advisory Working Group, which provides advice to the Deputy Secretary of Defense Gordon England on resourcing and other high level departmental business issues. General Cartwright was commissioned a second lieutenant in the Marine Corps in November 1971. He completed Naval Flight Officer training in April 1973 and graduated from Naval Aviator training in January 1977. He has operational assignments as an NFO in the F-4, and as a pilot in the F-4, OA-4, and F/A-18. He is a distinguished graduate of the Air Command and Staff College at Maxwell AFB, received his Master of Arts in National Security and Strategic Studies from the Naval War College, Newport, Rhode Island and completed a fellowship with Massachusetts Institute of Technology. General Cartwright's command assignments include: Commander, United States Strategic Command (2004-2007); Commanding General, First Marine Aircraft Wing (2000-2002); Deputy Commanding General, Marine Forces Atlantic (1999-2000). General Cartwright's joint staff assignments include: Director for Force Structure, Resources and Assessment, J-8 the Joint Staff (2002-2004); Deputy Director for Force Structure, Requirements, J-8 the Joint Staff (1996-1999).



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Dr. Cathryn Downes

Dr Cathy Downes is Professor at the US National Defense University's Information Resources Management College. She is the Co-ordinator for the College's Transformation and Innovation Certificate Program, Course Leader for courses on Multi-Agency Collaboration, Defense Transformation, Network Centric Warfare and Operations, and Business Process Improvement. She serves on the Faculty team for the College's Government Strategic Leader Masters Program. She was a member of the NDU's National Security Professional competency development working group, and she is a member of the DoD's Transformation Chairs Network. Prior appointments include: J-5 Military Policy Development Director (SES-1) in the New Zealand Defense Force, and post-doctoral research and teaching appointments at NDU's Industrial College of the Armed Forces, and Australian National University's Strategic and Defense Studies Centre. Dr. Downes was also a John M. Olin Postdoctoral Fellow at Harvard University's Center for International Affairs. She is a Fellow of the Inter-University Seminar on Armed Forces and Society and a 21st Century Trust (UK) Fellow. Dr Downes has a Ph.D. and M.A from Lancaster University, UK, and U.S. DoD CIO Certificate. She is also a graduate of the Australian Defence Industrial Mobilisation Course. Her most recent publication (forthcoming 2009) is entitled: "Unintentional Militarism: Over-Reliance on Military Methods and Mindsets in U.S. National Security and Its Consequences", which was awarded a prize in the 2008 Trench Gascoigne Memorial Competition of the Royal United Services Institute for Defence and Security Studies (London).

Dr. Thomas Hammes

Dr. Hammes served 30 years in the Marine Corps as an infantry officer to include service in Somalia and Iraq as well as training insurgents in various locations. He earned a Masters and Doctorate in History from Oxford University. He is the author of *The Sling and the Stone: On War in the 21st Century* as well as numerous articles and opinion pieces.

Dr. Christopher Lamb

Dr. Christopher J. Lamb conducts research on national security strategy and policy, and U.S. defense strategy, requirements, plans and programs, and strategic military concepts. As Director, Research and Analysis for the Project on National Security Reform, he was responsible for the Project's 2008 study on how to reform the national security system, "Forging a New Shield." Prior to joining INSS Dr. Lamb served as the Deputy Assistant Secretary of Defense for Resources and Plans, and prior to that as Director of Policy Planning in the Office of the Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict, as the Deputy Director for Military Development on the State Department's Interagency Task Force for Military Stabilization in the Balkans, and as the Director for Requirements and Plans in the Office of Secretary of Defense. He received his



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Ph.D. in International Relations from Georgetown University in 1986. His recent publications include U.S. Special Operations Forces, with David Tucker, Columbia University Press, 2007; "Reforming Pentagon Strategic Decision Making," with Irving Lachow, Strategic Forum No. 221, Institute for National Strategic Studies, National Defense University, July 2006. and in September, 2005, two monographs from National Defense University Press: "Review of Psychological Operations Lessons Learned from Recent Operational Experience," and "Transforming Defense."

Dr. Scott Pace

Scott Pace is the Director of the Space Policy Institute and a Professor of Practice in International Affairs at George Washington University's Elliott School of International Affairs. His research interests include civil, commercial, and national security space policy, and the management of technical innovation. From 2005-2008, he served as the Associate Administrator for Program Analysis and Evaluation at NASA. In this capacity, he was responsible for providing objective studies and analyses in support of policy, program and budget decisions by the NASA Administrator. He previously served as Chief Technologist for Space Communications in NASA's Office of Space Operations where he was responsible for issues related to space-based information systems. He participated in negotiations that resulted in the 2004 GPS-Galileo Agreement between the United States and the European Commission. Dr. Pace also previously served as the Deputy Chief of Staff to NASA Administrator Sean O'Keefe. His primary areas of responsibility included oversight of the President's Management Agenda in Human Capital, Competitive Sourcing, Expanding e-Government, Financial Management, and Integrating Budget and Performance. Prior to NASA, Dr. Pace was the Assistant Director for Space and Aeronautics in the White House Office of Science and Technology Policy (OSTP). There he was responsible for space and aviation-related issues and coordination of civil and commercial space issues through the Space Policy Coordinating Committee of the National Security Council. Dr. Pace served on the Bush-Cheney Transition Team for NASA and the National Science Foundation. From 1993-2000, Dr Pace worked for the RAND Corporation's Science and Technology Policy Institute (STPI) -- a federally funded research and development center for the Office of Science and Technology Policy. Dr. Pace was a key member of a successful international effort to preserve radio navigation satellite spectrum at the 1997 World Radiocommunication Conference (WRC-97) and the addition of new spectrum for satellite navigation at WRC-2000. He also was a member of Department of Defense Senior Review Group on Commercial Remote Sensing and the National Research Council's Committee on Earth Sciences. From 1990 to 1993, Dr. Pace served as the Deputy Director and Acting Director of the Office of Space Commerce, in the Office of the Deputy Secretary of the Department of Commerce. Dr. Pace represented the Department to the National Space Council and participated in efforts affecting export controls for space technologies, space trade negotiations with Japan, Russia, China, and Europe, the licensing process for private



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remote sensing systems, missile proliferation, and the U.S. space industrial base. Dr. Pace received a Bachelor of Science degree in Physics from Harvey Mudd College in 1980; Masters degrees in Aeronautics & Astronautics and Technology & Policy from the Massachusetts Institute of Technology in 1982; and a Doctorate in Policy Analysis from the RAND Graduate School in 1989. His dissertation was entitled “U.S. Access to Space: Launch Vehicle Choices for 1990-2010.”

Dr. Stephanie Platz-Vieno

Speaker Biography: Ms. Platz-Vieno is currently serving as the Deputy Director of the National Security Professional Development Integration Office, which was established to execute Executive Order 13434, National Security Professional Development. This Executive Order initiates a formal national effort to attain a robust and integrated national security professional development program through access to education, training, and professional opportunities that enhances national security professionals' mission-related knowledge, skills, abilities, and experience. She has been an Intelligence Community leader in strategic organizational development, progressive workforce transformation, and business operation improvement for over 24 years, having joined the Central Intelligence Agency in 1985.

Mr. Terry Pudas

Terry Pudas is a Senior Research Fellow at CTNSP. 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. 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 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. Samuel Visner

Samuel S. Visner joined CSC as vice president of strategy and business development for its North American Public Sector (NPS) Enforcement, Security and Intelligence (ESI) business in February 2008. In this role, Mr. Visner is responsible for developing strategy and



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managing account teams as they identify, evaluate, qualify pursue, and close on new opportunities in enforcement, security and intelligence. Mr. Visner also manages CSC's cyber security strategy. Mr. Visner joins CSC from Science Applications International Corporation (SAIC), where he most recently served as senior vice president and director of strategy and business development for the company's Intelligence, Security and Technology Group. Visner led the group's business development team, managed its prospect pipeline and developed strategy for key opportunity captures. Previously, he served as chief of Signals Intelligence (SIGINT) programs at the National Security Agency, where he managed a number of major programs. Prior to his work at SAIC, Visner held positions at TECHMATICS (now part of General Dynamics) and Booz Allen Hamilton. Before joining the private sector, he worked for the U.S. government. During his career, he also served as a consultant to the Presidential Commission on the Intelligence Capabilities of the United States Regarding Weapons of Mass Destruction, led part of a task force for the Air Force and National Defense Industrial Association to assess future near-space missions, systems and technologies, and served as a board member on the Intelligence and National Security Alliance. Visner is currently an associate of the National Intelligence Council, the deputy chairman of the Intelligence Committee at the Armed Forces Communications and Electronics Association, a member of the Intelligence Task Force of the Defense Science Board, and an adjunct professor at Georgetown University in the Science and Technology in International Affairs program. He holds a bachelor's degree in international politics from Georgetown University and a master's degree in telecommunications from George Washington University.

Dr. Linton Wells

Dr. Linton Wells II is a Distinguished Research Fellow and serves as the Force Transformation Chair at NDU. Prior to coming to NDU he was the Principal Deputy Assistant Secretary of Defense (Networks and Information Integration). He assumed these duties on November 14, 2005 after serving as the Acting Assistant Secretary and DoD Chief Information Officer from March 8, 2004. He became the Principal Deputy Assistant Secretary of Defense (Command, Control, Communications and Intelligence) on August 20, 1998 which became Networks and Information Integration in 2003. Prior to this assignment, he had served in the Office of the Under Secretary of Defense (Policy) from 1991 to 1998, most recently as the Deputy Under Secretary of Defense (Policy Support). 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. 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



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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, scuba diving, and flying.