



Seeing into Space: Perspectives and Initiatives for Enhancing Space Situational Awareness

Dec. 9, 2014

Choate Room, Carnegie Endowment for International Peace
1779 Massachusetts Ave NW, Washington, DC 20036

Speaker Biographies

Matthew Bold: Chief Architect, Ground Based Space Situational Awareness (GBSSA), Lockheed Martin

Mr. Bold is currently the chief architect for Ground Based Space Situational Awareness (GBSSA) at Lockheed Martin's Advanced Technology Center in Palo Alto, California. In this role, he is responsible for the GBSSA strategy, including R&D investments, and coordinating roadmaps with industry, government and academia. Mr. Bold is also the champion for the LM Space Object Tracking (SPOT) R&D facility and a subject matter expert in sensors and adaptive optics. He is also the LM program manager for the UKIRT observatory on Mauna Kea, Hawaii, where he aids in the management of the observatory, leads instrument development efforts, and participates on the Time Allocation Committee. Mr. Bold will soon be taking on a program management role in the Australian CRC to develop methods for space debris mitigation. In the last year, he has led an ongoing discussion with astronomical and SSA researchers in Australia, Japan and the UK to develop a more global vision for space environment management.

Richard H. Bueneke: Senior Advisor for National Security Space Policy in the Bureau of Arms Control, Verification and Compliance, U.S. Department of State

Richard H. Bueneke is senior advisor for national security space policy in the Bureau of Arms Control, Verification and Compliance at the United States Department of State in Washington, D.C. In his current position, Mr. Bueneke advises senior State Department officials on the planning and implementation of diplomatic and public diplomacy activities relating to U.S. national security space policy. He currently serves as the co-chair of an international expert group on space debris, space operations and tools for collaborative space situational awareness, which was established in 2011 as part of a United Nations Committee on the Peaceful Uses of Outer Space working group on the long-term sustainability of outer space activities. Before joining the State Department in March 2007, Mr. Bueneke was a senior policy analyst at The Aerospace Corporation, where he served as lead analyst for the U.S. Department of Defense's efforts relating to mission assurance and resiliency of commercial space capabilities. Mr. Bueneke has also led research tasks in support of U.S. government assessments of policies and architectures for national security and commercial space systems as an analyst with Booz Allen Hamilton and the RAND Corporation. He holds bachelors degrees in economics and systems engineering from the Wharton and Engineering schools of the University of Pennsylvania. Mr. Bueneke also holds masters' degrees in policy analysis from George Washington University's Elliott School of International Affairs and the Pardee RAND Graduate School.

Andrew D'Uva: President, Providence Access Company

Andrew D'Uva is the President of Providence Access Company, a Washington DC based strategy, policy and advocacy consultancy specializing in satellite issues. Providence Access has advised all of the major commercial satellite operators on a variety of issues.

He previously held executive positions at New Skies Satellites and SES after leaving the private practice of law. He conceived and leads the strategy and policy for the Space Data Association, an innovative space situational awareness support organization focused on collision avoidance and mitigation of electromagnetic and radio frequency interference. He received his J.D. from the Georgetown University Law Center and his undergraduate degree from Georgetown University.

John D. Hill: Principal Director, Space Policy, Office of the Under Secretary of Defense for Policy, U.S. Department of Defense

Mr. John D. Hill became the Principal Director for Space Policy in November 2013, with responsibilities for formulating and coordinating space-related national security and defense policies, including for the conduct of international space cooperation. A member of the career Senior Executive Service since 2007, Mr. Hill has fulfilled a wide variety of assignments in the Department of Defense (DoD). Most recently, he served as DoD's representative in negotiations with Afghanistan on a Bilateral Security Agreement to enable a post-2014 presence of United States forces. Mr. Hill has held two prior Principal Director positions in DoD, overseeing defense policies and programs regarding Afghanistan, Pakistan, and Central Asia from 2010-2012, and holding similar responsibilities regarding the East Asia region from 2006-2010.

As a member of the inaugural class of Mansfield Fellows, Mr. Hill served assignments on detail to the Japan Defense Agency, the Japan Federation of Economic Organizations (Keidanren), and Japan's Ministry of International Trade and Industry. Mr. Hill joined DoD through selection to the Presidential Management Internship Program, serving assignments with the Army Security Assistance Command, the Office of Management and Budget, and the Office of the Secretary of Defense.

Mr. Hill received his Master of Arts in International Affairs from American University, and earned a Bachelor of Arts in Political Science at UCLA. He and his wife Lynn live in Fairfax, Virginia. They have three grown daughters.

Michael Romanowski: Director, Commercial Space Integration, Federal Aviation Administration

Dr. Michael Romanowski is the Director of Commercial Space Integration at the Federal Aviation Administration. In this role, he provides leadership and executive direction for the Office of Commercial Space Transportation's five operational divisions, which are responsible for the evaluation and regulation of commercial spaceports, launches and reentries, and the integration of these operations within the National Air Space.

Dr. Romanowski received his Ph.D. in Mechanical Engineering from Duke University. He also holds a Master of Science degree in Mechanical Engineering from Rensselaer Polytechnic Institute and a Bachelor of Science degree in Aerospace Engineering from Boston University.

Paul Welsh: Vice President, Business Development, Analytical Graphics (AGI)

Paul Welsh is the vice president of Business Development, Analytical Graphics, Inc. (AGI) and is responsible for the development and capture of program opportunities, management of AGI business partners and the execution of strategic market initiatives including the Commercial Space Operations Center. Mr. Welsh is also the executive sponsor for AGI's Space Data Association activities.

He received a bachelor's degree in electrical engineering from Villanova University in 1981, a master's degree in systems engineering from The Moore School of the University of Pennsylvania in 1984, and an MBA from The Wharton School of the University of Pennsylvania in 1998.