

Workshop on Improving Defense Acquisition Workforce Capability in Data Use

Speaker Biographies

Dr. Darryl K. Ahner, P.E.

Director, Scientific Test and Analysis Techniques Center of Excellence (STAT COE)

Dr. Darryl K. Ahner, P.E. is the Director, Scientific Test and Analysis Techniques Center of Excellence (STAT COE) and was instrumental in shaping its graduate-level test engineering operational concept leading to its establishment by the Office of the Secretary of Defense in 2012. He is also a Professor of Operations Research, Program and Curriculum Chair of the Data Analytics and Data Science programs, and Director of the Center for Operational Analysis at the Air Force Institute of Technology. As Director of the STAT COE, he is responsible for executing the Center's mission to provide independent advice and assistance to designated major acquisition programs in the application of scientific test and analysis techniques for test planning and the resulting data analytics. The Center also conducts externally funded applied STAT research, provides STAT education, and develops best practices and case studies in the employment of STAT. Dr. Ahner is a licensed Professional Engineer. He has written over 50 technical articles, made over 70 technical presentations, and has led several technical working groups. He has been a faculty member at the Air Force Institute of Technology (AFIT) since 2010, where his research emphasizes optimization of test & evaluation, autonomous systems, big data analytics, reliability, stochastic models, simulation, and military operations research applications. Prior to AFIT, he taught for five years at the United States Military Academy at West Point and served for three years as the research director for an Army analysis center at the Naval Postgraduate School. In addition to being a member of the Institute for Operations Research and the Management Sciences (INFORMS), and International Test and Evaluation Association (ITEA), Dr. Ahner has been an active member of the Military Operations Research Society (MORS), most recently serving as Vice President for Professional Development and Vice President (Secretary of the Society) on the Executive Committee. A 1990 graduate of the United States Military Academy at West Point, Dr. Ahner retired from the US Army in 2012. During this time he was awarded the Legion of Merit, an award usually reserved for general officers and a Special Act Award for leading modeling, simulation, and analytic research efforts. His academic studies include Rensselaer Polytechnic Institute, where he earned a M.S. in applied mathematics and a M.S. in operations research and statistics, and Boston University where he earned his doctoral degree in systems engineering while a Charles Stark Draper Laboratory Fellow. Dr. Ahner's awards include member of the 2019 U.S. Air Force Analysis Team of the Year Honorable Mention, 2018 Journal of Defense Analytics and Logistics Best Paper for "Finding the Fuel of the Arab Spring Fire: A Historical Data Analysis," the 2016 Richard H. Barchi Prize for the best paper given at the Military Operations Research Symposium for "Suitability Analysis of Continuous-Use Reliability Growth Projection Models", the 2017 Affiliate Society Council of Dayton Outstanding Engineers & Scientists Award, the 2014 E. Grosvenor Plowman Award for Best Paper at Council of Supply Chain Management Professionals Global Conference for "Exploring the Use of the Upper-Semi Variance as a Robust Estimator For Calculating Safety Stocks," the 2012 Colonel Charles A. Stone Award in recognition of an individual who has made outstanding contributions to furthering the AFIT mission, a 2008 Special Act Award and \$5000 Cash Award presented by a 4-star general in recognition of meritorious scientific achievement, and the 2007 Wilbur B. Payne Award in recognition of the best Army analytical technical study.

Gary R. Bliss
Defense Economist, Independent Consultant

Gary R. Bliss is a defense economist currently serving as an independent consultant to government and industry on project management challenges and failures. Until September of 2018 he was, essentially, DoD's chief independent assessor of management performance for its major defense acquisition programs. Prior to this position he held numerous positions in defense economics, the last three of which are summarized below. Mr. Bliss was competitively promoted to Senior Executive Service (SES; civilian equivalent to general or flag officer) in 1994 at age 39.

Ms. Jennifer D. Bowles
Director, Land and Naval Warfare Cost Analysis Division
Office of the Secretary of Defense Cost Assessment and Program Evaluation (OSD CAPE)

Ms. Bowles has served as the Director for Land and Naval Warfare Cost Analysis Division since May 2018. She is responsible for independent cost estimates and cost analysis of acquisition programs for her portfolio. Prior to accepting this position, she served as the Special Advisor to the Chief of Staff of the Air Force on F-35 Operations and Support (O&S) costs, USAF F-35 Integration Office. She was hand-selected to serve in this capacity as the independent advisor for Operations and Support activities to dissect F-35 sustainment affordability based on her vast experience delivering cost analysis, analysis of alternatives, sustainment strategies, and expertise regarding weapon systems. Prior to her assignment as special advisor, she served as the Division Chief for Operations and Support Costs, Air Force Cost Analysis Agency. As Division Chief, she provided expert O&S cost and financial decision support to the Air Force, DoD, and Congress. She was responsible for Independent Cost Estimates, Non-Advocate Cost Analysis, and Service Cost Positions for Acquisition Category (ACAT I) program key decision points. Additionally, her portfolio consisted of 42 weapon system programs to include F-22, F-35, Global Hawk, Combat Rescue Helicopters, and KC-46A, influencing over \$1.5 trillion. Lastly, she exercised responsibility for the Air Force Total Ownership Cost system to collect and maintain all O&S cost data for the Air Force. Preceding her time with the Air Force, she served more than nine years at the Naval Air Systems Command cost department. During that period she was the Sustainment Cost Team Lead for the Joint Strike Fighter (JSF) program.

Education:

- BS in Mathematical Sciences from Pennsylvania State University
- MS in Operations Research from the Florida Institute of Technology
- MS in National Security and Resource Strategy from Dwight D. Eisenhower School for National Security and Resource Strategy, with a Diploma in the Senior Acquisition Course
- Level III certified in Cost Estimating and Financial Management for Defense Acquisition
- Level III certified in DoD Financial Management

David S. Cadman
Director
Acquisition, Analytics and Policy, DoD

Mr. David S. Cadman is the Director for Acquisition, Analytics and Policy (AAP) where he is responsible for the development and implementation of acquisition portfolio based analytical methods focused on data analytics which includes but is not limited to data mining, simulation, machine and statistical learning, probability theory, mathematical optimization, and visualization of results. AAP establishes program management policy that applies these methods as appropriate to acquisition portfolios, Major Defense Acquisition Programs and business systems and functions. Before the A&S reorganization he served as Director for Performance Assessments and Root Cause Analyses (PARCA) and Deputy Director, Root Cause Analyses (RCA). Where he identified root causes on Major Acquisition Programs that had a critical Nunn-McCurdy cost breach or upon request of the Secretary of Defense. Additional assignments Mr. Cadman has had while at the Office of the Secretary of Defense (OSD) include serving as Deputy Director for the Technology Security and Foreign Disclosure Office (TSFDO) within the Defense Technology Security Administration (DTSA) where he supported DoD's security cooperation efforts, to include international armaments cooperation, strategic planning, and Defense Technology and Trade Initiatives. Mr. Cadman also worked as the aviation sector lead for the Office of Industrial Policy in OSD where he was responsible for industrial base oversight. In this role, Mr. Cadman assessed the capabilities and overall health of the aviation industrial base upon which the Department of Defense relies for current and future war fighting capabilities. Previously, Mr. Cadman served in the Joint Strike Fighter (JSF) Program Office as the Deputy Director, Air Vehicle where he oversaw government and contractor activities related to the F-35's vehicle systems, mission systems, airframe structures and materials, manufacture and build risk reduction. Mr. Cadman was accountable for cost, schedule, and performance on the \$13 billion air vehicle design and the development effort of the multinational industry team. Mr. Cadman also served as the JSF X-program Science and Technology Coordinator developing requirements, assessing science and technology trends, and evaluating potential technology gaps. Mr. Cadman's other positions include a leading role on the F/A-18 E/F airframe development program and serving as an F-14 structural engineer at the Naval Aviation Depot. Prior to entering federal service, Mr. Cadman worked for Boeing Helicopter performing dynamic analysis of developmental vertical lift aircraft. Mr. Cadman holds a Bachelor of Science in Aerospace Engineering from the University of Maryland and a Master's of Science in National Resource Strategy from the Industrial College of the Armed Forces. Mr. Cadman is a graduate of the Defense Acquisition University Advanced Program Managers course and has Acquisition Workforce Level III certifications in Program Management; Systems Planning, Research and Engineering; and Production Quality and Manufacturing.

Michael Conlin
Chief Data Officer, US Department of Defense

As Chief Data Officer, DoD, Mr. Conlin is responsible for DoD-wide management, analytics, and governance of data, to meet the needs of DoD leaders for timely, reliable answers to critical business questions in support of the National Defense Strategy. As the Director of the OUDS, OCMO Data Insights Directorate, Conlin is driving the development of a Shared Service that enhances speed to insight by applying advanced analytics, machine learning and Artificial Intelligence. Conlin is a career technologist, with 20+ years of professional experience on five continents. He has served organizations in numerous industries, business domains, technical domains, and government functions. He helps C-level Executives refine their IT Strategies for Reform, business innovation and digital transformation. Conlin has served high-tech firms and technology organizations in a range of roles from executive to individual performer. A serial entrepreneur, he has founded and participated in numerous start-ups. A graduate of the University of Pittsburgh, Conlin lives in the Washington DC area with his wife and children. His avocations include: blacksmith; cook; enamellist, gaffer; goldsmith; lamp worker; lapidary; and poet.

Lisa S. Disbrow

Senior Fellow, Johns Hopkins University Applied Physics Lab

Retired from federal service with 32 years civilian and military service; currently serves on the Board of Directors of Mercury Systems Inc.; Perspecta; BlackBerry; LMI; Hensoldt, Inc.; and the Wounded Warrior Project. The 25th Under Secretary of the Air Force from Jan 2015-July 2017, led a global organization of more than 660,000 personnel and an annual budget of over \$135 billion dollars. Acting Secretary of the Air Force and Secretary of Defense's Principal DOD Space Advisor from January through May, 2017. Other positions include: Senate-confirmed Financial Management & Comptroller of the Air Force; Vice Director of the Joint Staff/J-8 Directorate; Special Advisor for Policy Implementation, National Security Staff, White House; and senior systems engineer at the National Reconnaissance Office. Retired from military service as a Colonel with 23 years of active and part-time reserve duty in operations and signals intelligence; plans & programming; deployed in Operation Desert Storm/Southern Watch.

Mr. Gregory L. Garcia

Deputy Chief Information Officer/G-6

Mr. Gregory L. Garcia was selected for the Senior Executive Service in March 2005. He assumed the Deputy Chief Information Officer (CIO)/ G-6 position in October 2018. As the Deputy CIO/G-6, Mr. Garcia oversees a \$10 billion investment portfolio for implementation of an enterprise network infrastructure and strategy that deliver a responsive, effective, secure, collaborative and trusted environment of communication, information and technological superiority for the Army and its mission partners. He also manages Army information technology policy compliance and synchronizes delivery of operational command, control, communications, computers and information technology capabilities to support warfighters and business users and enable joint information dominance. Mr. Garcia previously served as the Chief Information Officer/G-6, U.S. Army Corps of Engineers, Washington, D.C. Prior to that position, his assignments included Executive Director of the U.S. Army Information Technology Agency, Washington, D.C.; Special Advisor, Cyber Operations, SAF/A6 Chief

Information Office, Washington, D.C.; Deputy Director, Strategic Communications/Strategic Effects (J9), U.S. Forces-Iraq, U.S. Central Command, Baghdad, Iraq; Deputy Director, Intelligence, Surveillance, and Reconnaissance Requirements Directorate, Headquarters Air Force Materiel Command (AFMC), Wright-Patterson Air Force Base (AFB), Ohio; Executive Director, Headquarters 754th Electronic Systems Group, (Standard Systems Group), Electronic Systems Center (ESC), AFMC, Maxwell AFB-Gunter Annex, Alabama; Executive Director, Aerospace Maintenance and Regeneration Center, Davis-Monthan AFB, Arizona; Director, Information Assurance, Cryptologic Systems Group, ESC, Lackland AFB, Texas; Deputy Chief Operations Officer for Logistics and Acting Director, Information Assurance, Cryptologic Systems Group, ESC, Lackland AFB, Texas; Chief, Business Operations Division and Acting Director, Resource Management, Cryptologic Systems Group, ESC, Lackland AFB, Texas; Chief, Mechanical Systems Branch, C-5 System Program Office, SA-ALC, Kelly AFB, Texas; Policy Analyst, Maintenance Management Division, Headquarters U.S. Air Force, Washington, D.C.; and Supervisory Inventory Management Specialist, Logistics Management Specialist and Command Occupational Training Manager, SA-ALC, Kelly AFB, Texas. Mr. Garcia holds a Bachelor of Communication Arts from Texas Lutheran University, a Master of Business Administration from Incarnate Word University, and a Master of Arts in Public Policy from Princeton University. He is Acquisition Corps qualified and certified in Acquisition Program Management (Level III), Logistics/Life Cycle Logistics (Level III), Requirements Management, and Lean Six Sigma (Black Belt). His top civilian awards include the CJCS Joint Meritorious Civilian Service Award, two Air Force Meritorious Civilian Service Awards, the Department of State Meritorious Honor Award, and the Federal Managers Association Leadership Award.

Melvin Greer

Chief Data Scientist, Americas, Intel Corporation

Melvin Greer is chief data scientist, Americas, Intel Corporation. He is responsible for building Intel's data science platform through graph analytics, machine learning, and cognitive computing to accelerate transformation of data into a strategic asset for public sector and commercial enterprises. His systems and software engineering experience has resulted in patented inventions in cloud computing, synthetic biology and IoT bio-sensors for edge analytics. He functions as a principal investigator in advanced research studies, including nanotechnology, additive manufacturing, and gamification. He significantly advances the body of knowledge in basic research and critical, highly advanced engineering and scientific disciplines. Greer is a member of the American Association for the Advancement of Science (AAAS) and U.S. National Academy of Science, Engineering, and Medicine's GUIRR. Greer received his Bachelor of Science degree in computer information systems and technology and his Master of Science in information systems from American University, Washington, D.C. He also completed the Executive Leadership Program at the Cornell University, Johnson Graduate School and the Entrepreneurial Finance program at MIT Sloan School of Management.

Mark E. Krzysko

Deputy Director, Enterprise Information, Office of the Under Secretary of Defense for Acquisition, Technology, and Logistics Acquisition Resources and Analysis

Mark E. Krzysko is Deputy Director of Enterprise Information for the Office of the Under Secretary of Defense for Acquisition, Technology, and Logistics Acquisition Resources and Analysis. In this role, Mr. Krzysko champions and facilitates innovative uses of information technologies to improve and streamline the acquisition process. Prior to this position, he served as the Deputy Director of Defense Procurement & Acquisition Policy in the Electronic Business Office of the Under Secretary of Defense for Acquisition, Technology, and Logistics. He also served as the Division Director of Electronic Commerce Solutions for the Naval Air Systems Command, in various senior level acquisition positions at the Naval Air Systems Command, and as Program Manager of Partnering, the Acquisition Business Process Reengineering Effort, and as Acquisition Program Manager for the Program Executive Office for Tactical Aircraft. Mr. Krzysko began his career in the private retail sector in various executive and managerial positions. He holds a Bachelor of Science Degree in Finance and a Master of General Administration, Financial Management from the University of Maryland, University College.

Bruce Litchfield
Vice President, Sustainment Operations
Lockheed Martin Aeronautics Company

Bruce Litchfield is Vice President, Sustainment Operations for Lockheed Martin Aeronautics Company. In this capacity, he is responsible for and leads the execution of the Aeronautics global sustainment business. He also directs operations in Greenville, South Carolina; San Antonio, Texas, and Montreal, Canada, in addition to Aeronautics Field Team Operations Worldwide. Previously, Mr. Litchfield was Vice President of Production Program Support for Lockheed Martin Aeronautics Company and was responsible for leadership and functional management of production programs across multiple geographic sites. Prior to joining Lockheed Martin, Mr. Litchfield served 34 years in the U.S. Air Force, retiring with the rank of Lieutenant General. He commanded six U.S. Air Force units at every level from squadron to standing up, and commanding, the Air Force Sustainment Center. He is also the architect of an innovative leadership and governance system called "Art of the Possible." Throughout his Air Force career, Mr. Litchfield has held numerous positions in the areas of operational support, acquisition, and logistics. He was the director of logistics for Pacific Air Forces and a major Joint Task Force. Staff assignments included tours at three Major Commands, the Air Staff, and Joint Staff levels. In addition, Mr. Litchfield served as the vice commander and deputy program executive officer for Aeronautical Systems Command where he held program execution responsibilities. The vast portfolio of programs crossed the fighter, bomber, mobility, and training system spectrum. He is certified as a Level III program manager in the Department of Defense's Acquisition Professional Development Program. Mr. Litchfield graduated from Norwich University with a degree in Electrical Engineering and holds a Master's in Administration from Georgia College, and National Strategy from the Naval War College.

Sears Merritt
Executive Leadership

Mr. Merritt is the Head of Data, Strategy & Architecture – Enterprise Technology & Experience of MassMutual. He joined the company in 2013 and is responsible for leading the technology strategy, enterprise architecture, and data science functions throughout the organization. Mr. Merritt also leads LifeScore Labs, a wholly owned insurtech subsidiary focused on mortality risk.

Paul Nielsen

**Vice President, Strategic Programs
Optum Technology**

A global executive with more than 25 years of technology and business experience, Paul Nielsen leads Optum's Strategic Programs and directs Optum's College of Artificial Intelligence, as well as UHG's Academy of Technology and Strategic Partnerships which include Research Institutions and Industry Partners. Having held numerous leadership roles in Sales, Marketing, Business Development and Executive Management, Paul has driven advanced technologies into the market, consistently generated operational savings, increased ARPU, competitive advantages and customer retention. His diverse experience includes designing and developing software and hardware solutions for the Telecommunications, IT Service Provider, Healthcare and CE Industries and building professional relationships with CEOs, CTOs and Managing Partners at Venture Capital investment firms. Before he joined UHG, Paul served as Senior Vice President/General Manager, North American Operations and Treasurer of the Board of Directors of G-cluster, Incorporated – a wholly owned subsidiary of G-cluster Global Corporation of Japan, the world's largest Cloud Gaming Service Provider. There, he established and led the company's U.S. subsidiary – developing its go-to-market strategy, building the Sales, Marketing, HR, Accounting and Customer support organizations. Paul earned a Bachelor of Science degree in Science and Computer Science from the University of Massachusetts at Amherst.

Dr. Matthew Rattigan

**Teaching Faculty, College of Information and Computer Sciences at the University of
Massachusetts Amherst**

Dr. Rattigan is a member of the teaching faculty of the College of Information and Computer Sciences at the University of Massachusetts Amherst, and serves as the Technical Directory of Community Initiatives for the Center for Data Science. Before joining UMass, Matt co-founded Edgeflip, a data-intensive social media startup focused serving social good organizations. In 2012, Matt was a part of the transformational analytics team at Obama For America, where he led the campaign's targeted social media efforts. Matt holds a BA from Wesleyan University, and an MS and PhD in Computer Science from UMass.

Thomas M. Sasala
CDO, Department of the Navy

As the Chief Data Officer for the Department of the Navy (DON), Mr. Sasala leads the Department's efforts on data management, information resources management, data governance, and Naval data policies. Mr. Sasala is responsible for implementing the OPEN Government Data Act, training the Naval workforce on data and data analytics, and making high quality, timely data available to decision-makers and warfighters. He advises and assists the SECNAV and UNSECNAV in the execution of their statutory responsibilities, establishes data priorities for the DON in support of the National Defense Strategy, and drives change through the Business Operations Plan and Data Strategy Implementation Plan. Mr. Sasala leads data transformation for the Department and works closely with the Office of Secretary of Defense (OSD) on DoD-wide data policies, tactics, and techniques to improve DON decision-making. Mr. Sasala previously led data management activities in the business mission area at the Office of the Chief Management Officer (OCMO). In that capacity, he focused on optimizing business operations, streamlining defense business systems, and establishing enterprise-wide interoperability standards for Naval business systems. Prior to joining the Department of the Navy, Mr. Sasala served as Director of Operations and Architecture for U.S. Army CIO/G-6 and the Chief Data Officer for the U.S. Army. He led data governance and analytics across the Army, was responsible for the implementation and migration to cloud computing solutions, and developed segment and systems architectures for the Army. Mr. Sasala was also the Chief Technology Officer for the Joint Service Provider and the U.S. Army Information Technology Agency (ITA) where he was responsible for the modernization of Pentagon information technology solutions. Mr. Sasala began his career as a student trainee at the U.S. Naval Research Laboratory (NRL). After graduating from Pennsylvania State University with a Bachelor of Science in Electrical Engineering, he returned to NRL and pursued his Master of Science in Telecommunication and Computers. While serving at NRL, Mr. Sasala led a variety of mission critical projects including advance research and development in public key cryptography, software-defined agile cryptography and key management, and the modernization of strategic communication solutions for nuclear command and control systems. After leaving NRL, Mr. Sasala joined the private sector where he supported a number of clients as a government consultant. His many roles include Chief Architect for the All-Source Analytics Environment, Chief Architect and technical advisor for the Analytic Transformation (AT) program, and Program Manager for various initiatives within the defense and intelligence spaces. Additionally, Mr. Sasala spent almost two years developing cutting-edge data and training solutions at the Internet startup targeting the public educational market. In 2014 Mr. Sasala received the Bold Award for Innovation, recognizing his creative problem-solving, technical acumen, ambition, and persistence. In 2015, Mr. Sasala was named a "Fed 100" honoring the top 100 contributors across Federal, state, and local governments.

Jaeki Song
Department Head and Professor

Jaeki Song is the department head of Information Systems and Quantitative Science and the endowed Jerry S. Rawls Professor at the Rawls College of Business at Texas Tech University. His primary area of research is innovation in Information Systems. Specific research issues include the development and diffusion of information technology and their social and economic consequences as well as statistical and computational techniques of data science. His research findings have appeared in more than 60 refereed journal papers in Management Science, Journal of Management Information Systems, Journal of the Association for Information Systems, IEEE Transactions on Professional Communication, Journal of Strategic Information Systems, Decision Support Systems, Information & Management, and others. Furthermore, Dr. Song has served as a senior editor and an associate editor in various prestigious journals in the area of Information Systems. His knowledge and experience contribute to the IS field by creating academic achievement through these services.

Luis Stevens
Electrical Engineer

Luis Stevens is an Electrical Engineer from Stanford University. He has worked in the area of supercomputing for 20 years, starting at Silicon Graphics as the Operating System chief architect for the Origin 2000 super-computers. After SGI he was a co-founder of 4 startup companies in Silicon valley, all within the areas of high-performance computing and/or data processing. His last startup company was acquired by Target Corporation, where he created the High Performance Computing Group to create optimal solutions for retail operations in the areas of neural computing and stream processing.

Eileen M. Vidrine
Air Force Chief Data Officer, Headquarters, United States Air Force, Washington, D.C.

Eileen M. Vidrine is the Air Force Chief Data Officer, Headquarters, United States Air Force, Washington, D.C. She develops and implements strategies for enterprise data management, analytics, and digital transformation to optimize performance and drive innovation in and across all missions and operations. Ms. Vidrine began her government career in 1986 as an enlisted member of the U.S. Army and was commissioned in 1987 through the U.S. Army Officer Candidate School Program as a Transportation Officer. Later in her Army career, she was selected and integrated into the U.S. Army Acquisition Corps. She began her civilian career as a senior faculty member at the Joint Military Intelligence College and led the college's technology transformation as the first Director for the Center for Educational Technologies. From 2006 to 2012, Ms. Vidrine served in various positions of leadership at the Office of the Director of National Intelligence (DNI) culminating as the Chief of Staff for the Assistant DNI for Human

Capital. In 2012, she was selected to serve as the DoD Intelligence Community Enterprise Architect assigned to the Office of the Under Secretary of Defense for Intelligence, Human Capital Management Office (HCMO), and in 2014 assumed HCMO chief of staff responsibilities. In 2016, Ms. Vidrine was selected as a White House Leadership Fellow, supporting the Office of Management and Budget and the Office of Personnel Management. After her fellowship she was detailed to the Executive Office of the President Office of Administration. Ms. Vidrine was appointed to the Senior Executive Service in June 2018.

Maryann P. Watson
Director, Platform and User Experience
Defense Acquisition University (DAU)

Ms. Maryann Watson joined Defense Acquisition University in 2012. She leads the directorate chartered to optimize user experiences and the DAU Platform. Most recently she led a project team for transformational DAU initiatives, including rapid prototyping of credentialing for critical acquisition skill areas. Previously she served as an Associate Dean at Defense Systems Management College, a Program Management Instructor, and Executive Coach. Ms. Watson retired from the USAF in 2011, after 28 years as a systems program manager in missions including: Director, USAF Human Resources business solutions; Commander, 84th Combat Sustainment Group (Space & C3I systems); Director, USAF Joint Tactical Radio System; Chief Financial Officer for Titan II and Titan IV Space Launch Services; Systems Engineering & Integration Chief for Space-Based Infrared System. She served on staff for the Deputy Under Secretary of Defense (Industrial Affairs), and Assistant Secretary of the Air Force (Acquisition). Her academics include a BS in Chemistry from Rensselaer, an MBA from The George Washington University, and a Master of Strategic Studies from Air University; she has DOD certifications in Program Management and Information Systems Acquisition.