



Kerry Buckley, Ph.D.
Vice President and Director
Center for Advanced Aviation System
Development
The MITRE Corporation

Kerry Buckley is vice president for The MITRE Corporation's Center for Advanced Aviation System Development (CAASD), the federally funded research and development center that MITRE operates for the Federal Aviation Administration (FAA).

In this role, she leads MITRE's domestic and international civil aviation, aviation/aerospace, and transportation strategic and business operations, with a focus on advancing safety, security, effectiveness, and efficiency of aerospace and transportation systems in the United States and around the globe. This work builds upon MITRE's decades-long legacy and partnership with the FAA and other partner federal agencies in the National Airspace System (NAS) including DoD, DHS, and NTSB.

Buckley was previously vice president, Air & Space Forces, for MITRE National Security. In that role, Buckley set strategy and priorities to ensure MITRE delivered technical capabilities and Air and Space Force mission objectives, including the Department's critical needs in space warfighting, air operations, nuclear enterprise modernization, cyber operations, and joint lethality in contested environments. She previously served as MITRE's vice president for Intelligence Programs, helping set strategy and priorities in support of the Intelligence Community.

Prior to her Intelligence role, Buckley directed MITRE's Information Technology Technical Center. An expert in organizational sciences, Buckley focused heavily on a systems science approach to social, behavioral, and linguistic issues of national importance. She applied her organizational planning and performance measurement knowledge to information sharing, enterprise IT, and collaboration initiatives for agencies across the U.S. government.

Before joining MITRE, Buckley was the director of business process research at Veridian Corporation, a unit of General Dynamics. Buckley previously was an industrial/organizational psychologist for the Human Resources Research Organization. While there, she supported projects for the U.S. Army. She also served as a personnel psychologist at the U.S. Office of Personnel Management. Buckley is a 2022 Federal 100 award winner for her leadership in building a foundation for public and private cooperation in the space domain. The Federal 100 awards recognize leaders from private industry, academia, and government who show how government can better leverage technology to serve its citizens. In 2022, Buckley was also selected by Aviation Week Network for its 65th Annual Laureate Awards, honoring her leadership and work to keep space safe and viable. She led the MITRE team that created a space risk registry and management system.

Buckley earned a bachelor's degree in psychology and statistics from Boston University. She also holds a doctorate in industrial/organizational psychology from The George Washington University.

KERRY BUCKLEY, PH.D.



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Top Secret/SCI, ISSA
(lifestyle polygraph)

PERSONAL WORK

HIGHLIGHTS/ACCOMPLISHMENTS

Strategy

- Future Integrated Transportation
- Surface to Space and Preserving the Space Domain
- Applied Research and Innovation Program Investment Strategy for S&T Capabilities
- Neuro, Behavioral, Social Science Sector Study
- DoD/VA Electronic Health Record (iEHR) Integrated Program Office
- Geospatial Intelligence for Counterterrorism
- Educing Information
- Domestic Counter-radicalization
- Social Justice and Social Integrity
- Diversity, Equity and Inclusion

Mission Impact and Analysis

- National Counterterrorism Priorities
- Critical Analytical Thinking Skills Assessment
- CIO Technology Planning
- Homeland Critical Infrastructure Protection
- Emerging S&T threats to Homeland Security
- Agency Program Performance Management
- Nation-wide Analytic Workforce Posture

Organizational Change

- Office of Intelligence Stand-up
- Interagency Joint Task Force
- DoD Combatant Command Social Science Research Activity
- DoD Joint Deployment and Distribution Enterprise
- Country-team Collaboration
- Agency Personnel Selection
- IC Collaboration Facilitation Center
- Technical Career Path Lead

Over 25 years of experience as a senior leader and trusted advisor in solving critical challenges for national security, defense, and civilian agencies. Provides and delivers enterprise-wide vision via decisive and insightful executive leadership, strategic decision making, and objective, data-driven, high-quality technical products. Builds, leads, and connects high-performance teams to design, integrate, accelerate, and execute complex, whole-of-nation solutions. Attracts, develops, mentors, and advances the best and brightest technical talent. Leads through inspiring others, acting with speed, risk-taking, integrity, and authenticity.

THE MITRE CORPORATION

VICE PRESIDENT, CENTER FOR ADVANCED AVIATION SYSTEM DEVELOPMENT 2022 – present

- Leads MITRE's domestic and international civil aviation, aviation/aerospace, and transportation strategic and business operations, with a focus on advancing safety, security, effectiveness, and efficiency of aerospace and transportation systems in the United States and around the globe.
- Responsible for overseeing all elements, understandings, and agreements of the FAA CAASD contract and sponsoring agreement, ensuring technical excellence is promoted and a best-efforts approach is utilized to achieve operating efficiencies and maintain overall cost-effective operations in delivering \$194M portfolio.

VICE PRESIDENT, AIR & SPACE FORCES CENTER

2019 – 2022

- Delivered \$400M portfolio across U.S. Air Force, Space Force, and coalition partners.
- Established vision and delivers annual and long-term strategies requiring shaping and pursuit of new work to address sponsors' highest, mission critical priorities.
- Developed and grew sponsor relationships across all levels of government departments and agencies.
- Led all aspects of Center's P&L, including execution of a 1,200 staff year work program in air operations, space warfighting, nuclear enterprise modernization, cyber operations, and joint lethality in contested environments. Consistently achieved delivery within 0.03% of contractual target.
- Responsible for management and development of 7 direct reports and 1,005 staff across 32 geographic locations and sites.
- Drove innovation, experimentation, and capability development to address critical problems and priorities of government sponsors.

VICE PRESIDENT, INTELLIGENCE PROGRAMS

2017 - 2019

- Delivered annual \$350M portfolio across nine Intelligence Community organizations.
- Managed and developed 6 direct reports and 760 technical staff.
- Led large-scale, strategic initiatives for senior customers to include closing analytic production gaps, developing agency science and technology investment strategies.
- Assessed progress against government priorities in counterterrorism, geospatial intelligence, collaborative analysis, analytic workforce shaping, and enterprise transformation.

DIRECTOR, DATA & HUMAN-CENTERED SOLUTIONS INNOVATION CENTER

2015-2017

- Led geographically dispersed, 390-person division, in development and application of advanced data management, data analytics, and information technologies across all of MITRE's sponsors.

RECOGNITION, AWARDS AND

AFFILIATIONS

- 2022 Aviation Laureate recipient
- 2022 Fed 100 recipient
- AIAA
- AFA
- AFCEA
- Defense Science Board (DSB), 2015
- Cyber Florida, Vice Chair Board of Advisors
- Aurora by Reachire, Certified Women's Leadership Guide

EDUCATION & TRAINING

- Ph.D., Industrial/Organizational Psychology, George Washington University
- M. Phil., Psychology, George Washington University
- B.A., Psychology & Statistics, Boston University
- Performance Institute's Government Performance Management Certification Program
- Higher Ambition Leadership Institute
- HBS Leading and Building a Culture of Innovation
- HBS Preparing to Be a Corporate Board Director

- Delivered largest percentage of internal R&D projects across all innovation areas.

DEPARTMENT HEAD, COGNITIVE SCIENCE AND ARTIFICIAL INTELLIGENCE 2013-2014

- Re-invigorated and led strategic direction, staffing and development of MITRE's cognitive science and AI department and capabilities application across all of MITRE's sponsor work programs.

DEPARTMENT HEAD, SOCIAL, BEHAVIORAL AND LINGUISTIC SCIENCES 2006-2013

- Created and served as Department Head of MITRE's first Social, Behavioral and Linguistic Sciences Department.

DIRECTOR, BUSINESS PROCESS RESEARCH, ERIM INTERNATIONAL, INC. 1994-2000

- Project manager for government sponsored projects focused on virtual collaborative environments using high performance networks and simulation-based training.
- Developed national standards for quantifying the interpretability of satellite imagery (NIIRS) and served as lead evaluation designer and statistician for imagery quality and utility assessments, algorithm validation, and sensitivity analyses.
- Chaired agency expert review team, responsible for approval of all image quality evaluations and reporting on methodology, completeness, and accuracy.

RESEARCH ASSOCIATE, HUMAN RESOURCES RESEARCH ORGANIZATION 1993-1994

- Led large-scale data analysis efforts for U.S. Army, Maternal and Child Health Bureau, Armed Forces Qualification Test, and the military's General Aptitude Test Battery.
- Supported evaluation of Army's Transition Point processes and exit survey.

PERSONNEL PSYCHOLOGIST, U.S OFFICE OF PERSONNEL MANAGEMENT 1992-1993

- Principal contributor to the survey of information proficiency of the Federal work force.
- Planned and conducted focus groups; verified the logic used in data analyses; prepared reports; and presented findings and recommendations to agency clients.

RECENT PUBLICATIONS AND ENGAGEMENTS

- *What pilots and sea captains can teach us about collision avoidance in space*, Aerospace America, September 2022
- AIAA Aerospace Perspectives Series: Space Debris Mitigation and Management webinar, July 2022
- *Accelerating Change: Delivering Capability to Operations, Faster*, AFCEA Lexington-Concord, April 2022.
- *Active debris removal rule No. 1 must be "do no harm"*, Aerospace America, April 2022.
- *Act now, before we're trapped on Earth*, Aerospace America, January 2022.
- *When the Sky Falls*, Aspen Cyber Summit, October 2021.
- *Not Your Father's Space Race: UFOs, Billionaires, and Satellite Missiles*, Aspen Security Forum, August 2021.
- *MITRE and the space industry: Q&A with Kerry Buckley, vice president, Air and Space Forces*, Fairfax County Economic Development Authority, February 2021.
- *Social Equity Requires a Systems Thinking Approach*, December 2020.