



# BIOGRAPHY



UNITED STATES AIR FORCE

## DR. REID MELVILLE

Dr. Reid Melville is Chief Innovation Officer of the Air Force Research Laboratory's Integrated Capabilities Directorate. With more than 30 years of experience at AFRL, he has served as a computational scientist, branch chief, and strategy lead. Throughout his career, he oversaw various technology programs, such as automated collision avoidance, automated aerial refueling, airborne sense-and-avoid, and tube-launched small unmanned aircraft systems. In 2019, he was selected to develop new approaches for technology exploitation to better align with Air Force capability needs, leading to AFRL's Transformational Capabilities Office. He has orchestrated investments in satellite tracking, remote re-supply, expeditionary energy solutions, and high-speed platforms with vertical take-off capabilities. As the Chief Innovation Officer of AFRL's Integrated Capabilities Directorate, Melville has created processes for developing disruptive capability concepts and for improved talent sharing across AFRL.



## EDUCATION

1989 Bachelor of Science, Mechanical Engineering with Mathematics Minor, National Merit Scholar, Summa Cum Laude, Brigham Young University, Provo, Utah

1991 Master of Science in Engineering, Aeronautical Engineering, Purdue University, Purdue Graduate Fellowship, West Lafayette, Ind.

1996 Doctorate, Aeronautical Engineering, Stanford University, Air Force Senior Knight, NASA Ames Associate, Stanford, Calif.

2008 SDE: Air War College, Air University (remote), Outstanding Graduate

## CAREER CHRONOLOGY

1. October 1991–March 1997, Aerospace Engineer, Wright Aeronautics Laboratory (WL), Aeromechanics Division (FIM), Wright-Patterson AFB, Ohio
2. March 1997–September 2002, Research Aerospace Engineer, Air Force Research Laboratory Air Vehicles Directorate, Wright-Patterson AFB, Ohio
3. October 2002–November 2004, Assistant to the Air Vehicles Directorate Chief Scientist, Air Force Research Laboratory, Wright-Patterson AFB, Ohio
4. November 2004–December 2005, Technical Advisor, Computational Sciences Branch, Air Force Research Laboratory, Wright-Patterson AFB, Ohio
5. January 2006–March 2010, Chief, Computational Sciences Branch, Air Force Research Laboratory, Wright-Patterson AFB, Ohio
6. April 2010–November 2012, Chief, Control Systems Development Branch, Air Force Research Laboratory, Wright-Patterson AFB, Ohio
7. December 2012–January 2016, Chief, Control Systems Branch, Air Force Research Laboratory, Wright-Patterson AFB, Ohio
8. February 2016–January 2018, Air Force Research Laboratory's Strategy Lead for Unmanned Air Systems, Air Force Research Laboratory, Wright-Patterson AFB, Ohio
9. January 2018–January 2020, Strategy Innovation Officer, Air Force Research Laboratory Science and Technology Strategy Implementation, Wright-Patterson AFB, Ohio
10. January 2020– present, Chief Innovation Officer, Integrated Capabilities Directorate, Air Force Research Laboratory, Wright-Patterson AFB, Ohio

## MAJOR AWARDS AND DECORATIONS

Air Force Meritorious Civilian Service Medal (2020)

Air Force Exemplary Civilian Service Medal (2011)

(Current as of February 2025)

