



BIOGRAPHY

UNITED STATES AIR FORCE

CHARLES D. ORMSBY

Dr. Charles D. Ormsby, Senior Scientific Technical Manager, is Acting Director, Materials and Manufacturing Directorate, Air Force Research Laboratory (AFRL), Wright-Patterson Air Force Base (AFB), Ohio. In this capacity, he leads the Department of the Air Force's science and technology (S&T) programs in functional materials, structural materials, manufacturing technology, energy technology and systems support for advanced, next-generation space, missile and aircraft applications. The Materials and Manufacturing Directorate consists of a workforce of more than 1,035 military, civilians, and contractors executing an annual budget in excess of \$400 million. Additionally, Dr. Ormsby leads the Defense Production Act Title III Executive Agent Program Office, managing a portfolio of Department of Defense Title III programs in excess of \$3 billion.



Dr. Ormsby was commissioned into the Air Force in May 1992 through the Reserve Officer Training Corps and entered Active Duty in February 1993. During his more than 25-year Active Duty career, he served in a variety of positions in intelligence, test, two laboratory directorates, the Air Combat Command Staff, and the Air Staff. Additionally, he served a six-month joint deployment to the American Embassy, Baghdad, Iraq where he served as the in-country program manager for the \$6B Iraqi F-16 Foreign Military Sales Program.

Dr. Ormsby entered federal civilian service in February 2019 as Chief of the Propulsion, Structures and Manufacturing Enterprise Branch in the Manufacturing and Industrial Technologies Division, Materials and Manufacturing Directorate. Immediately prior to his current position, Dr. Ormsby was Chief of the Manufacturing, Industrial Technologies and Energy Division in the Materials and Manufacturing Directorate.

EDUCATION

1992 Bachelor of Science, Electrical Engineering, Rose-Hulman Institute of Technology, Terre Haute, IN
1997 Master of Science, Electrical Engineering, Air Force Institute of Technology, Wright-Patterson AFB, OH
2003 Doctor of Philosophy, Electrical Engineering, Air Force Institute of Technology, Wright-Patterson AFB, OH
1999 Squadron Officer School, Maxwell AFB, AL
2004 Air Command and Staff College, AFIT Resident PhD Program, Wright-Patterson AFB, OH
2009 Air War College, Non-Resident Program

CAREER CHRONOLOGY

1. February 1993 - May 1996, Analyst, National Air Intelligence Center, Wright-Patterson AFB, Ohio
2. May 1996 - December 1997, Master's Student, Air Force Institute of Technology, Wright-Patterson AFB, Ohio
3. January 1998 - August 2000, Chief, Simulation Element, 746th Test Squadron, Holloman AFB, New Mexico
4. August 2000 - October 2003, PhD Student, Air Force Institute of Technology, Wright-Patterson AFB, Ohio

5. October 2003 - October 2007, Chief, High Power Microwave Application Branch, Air Force Research Laboratory, Directed Energy Directorate, Kirtland, New Mexico.
6. October 2007 - May 2009, Chief, Directed Energy Requirements Branch, Headquarters Air Combat Command Directorate of Requirements, Langley AFB, Virginia.
7. May 2009 - July 2011, Executive Officer, Headquarters Air Combat Command Directorate of Requirements, Langley AFB, Virginia.
8. August 2011 - November 2012, Deputy Chief Strategic Planning Division, Deputy Assistant Secretary of the Air Force (Science, Technology and Engineering), Office of the Assistant Secretary of the Air Force for Acquisition, the Pentagon, Washington, D.C.
9. November 2012 - December 2013, Chief, Science and Technology Division, Deputy Assistant Secretary of the Air Force (Science, Technology and Engineering), Office of the Assistant Secretary of the Air Force for Acquisition, the Pentagon, Washington, D.C.
10. April 2013 – October 2013, F-16 Foreign Military Sales Case Officer, Office of Security Cooperation, Baghdad, Iraq
11. December 2013 – July 2016, Military Deputy, Deputy Assistant Secretary of the Air Force (Science, Technology and Engineering), Office of the Assistant Secretary of the Air Force for Acquisition, the Pentagon, Washington, D.C.
12. July 2016 – September 2016, Deputy Director, Materials and Manufacturing Directorate, Air Force Research Laboratory, Wright-Patterson Air Force Base, Ohio
13. September 2016 – September 2018, Acting Director, Materials and Manufacturing Directorate, Air Force Research Laboratory, Wright-Patterson Air Force Base, Ohio
14. February 2019 – October 2020, Chief, Propulsion, Structures and Manufacturing Enterprise Branch, Materials and Manufacturing Directorate, Air Force Research Laboratory, Wright-Patterson Air Force Base, Ohio
15. October 2020 – July 2022, Chief, Aerospace Vehicles Division, Aerospace Systems Directorate, Air Force Research Laboratory, Wright-Patterson Air Force Base, Ohio
14. August 2022 – May 2025, Chief, Manufacturing, Industrial Technologies and Energy Division, Materials and Manufacturing Directorate, Air Force Research Laboratory, Wright-Patterson Air Force Base, Ohio
15. May 2025 – Present, Acting Director, Materials and Manufacturing Directorate, Air Force Research Laboratory, Wright-Patterson Air Force Base, Ohio

MAJOR AWARDS AND DECORATIONS

Legion of Merit with oak leaf cluster
Defense Meritorious Service Medal
Meritorious Service Medal with two oak leaf clusters
Air Force Commendation Medal

Current as of 31 July 2025