



COLONEL JUAN D. "SILV" JURADO

Col Juan D. Jurado is the Permanent Professor and Head of Electrical and Computer Engineering at the U.S. Air Force Academy, Colorado Springs, CO. He leads a 17-member academic department delivering an ABET-accredited electrical and computer engineering curriculum to more than 900 cadets annually. Colonel Jurado oversees a \$350,000 annual budget and directs strategic planning for undergraduate research, faculty development, and curriculum modernization initiatives. He supervises faculty across the disciplines of power systems, communications, electronics, electromagnetics, and embedded systems while fostering partnerships with industry and national laboratories. In addition to mentoring junior faculty and guiding promotion processes, he maintains active research in navigation systems and signal processing, contributing to both the academic mission and the broader engineering community.

Colonel Jurado entered the Air Force in December 2006 through ROTC at Texas A&M University. He holds a Master of Science and Doctor of Philosophy in Electrical Engineering from the Air Force Institute of Technology, a Master of Science in Flight Test Engineering from the U.S. Air Force Test Pilot School, and a Master of Arts in National Security and Strategic Studies from the U.S. Naval War College. He has served in a variety of developmental engineering and leadership positions within the Air Force Test Center, including F-16 electronic warfare test engineer, director of engineering for all C-130, H-1, and V-22 programs, chief of the education division at the U.S. Air Force Test Pilot School, and commander of a classified flight test squadron. Prior to his current assignment, he was a student at the U.S. Naval War College.



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EDUCATION

2006 Bachelor of Science, Electrical Engineering, Texas A&M University, College Station

2007 Air and Space Basic Course, Maxwell Air Force Base, Ala.

2012 Master of Science, Electrical Engineering, Air Force Institute of Technology, Wright-Patterson AFB, Ohio

2013 Master of Science, Flight Test Engineering, Air Force Test Pilot School, Edwards AFB, Calif.

2014 Squadron Officer School, Maxwell AFB, Ala.

2019 Doctorate of Philosophy, Electrical Engineering, Air Force Institute of Technology, Wright-Patterson AFB, Ohio

2019 Air Command and Staff College, Maxwell AFB, Ala.

2025 Master of Arts, National Security and Strategic Studies, U.S. Naval War College, Newport, R.I.

ASSIGNMENTS

1. January 2007 – February 2007, Student, Air and Space Basic Course, Maxwell AFB, Ala.

2. February 2007 – March 2009, EW Test Engineer, 416th Flight Test Squadron, Edwards AFB, Calif.

3. March 2009 – August 2010, BM Intelligence Specialist, NASIC, Wright-Patterson AFB, Ohio

4. August 2010 – March 2012, Student, Air Force Institute of Technology, Wright-Patterson AFB, Ohio

5. March 2012 – July 2013, Student, USAF Test Pilot School, Edwards AFB, Calif.





BIOGRAPHY



UNITED STATES AIR FORCE

6. July 2013 – August 2016, Director of Engineering, 413th Flight Test Squadron, Hurlburt Field, Fla.
7. August 2016 – August 2019, Ph.D. Student, Air Force Institute of Technology, Wright-Patterson AFB, Ohio
8. August 2019 – June 2021, Director of Education, USAF Test Pilot School, Edwards AFB, Calif.
9. June 2021 – June 2023, Commander, Flight Test Squadron (classified), location data masked
10. June 2023 – June 2024, Deputy Department Head of ECE, USAF Academy, Colorado Springs, Colo.
11. June 2024 – June 2025, Student, U.S. Naval War College, Newport, R.I.
12. June 2025 – Present, Permanent Professor and Head of ECE, USAF Academy, Colorado Springs, Colo.

FLIGHT INFORMATION

Rating: Flight Test Engineer

Flight hours: More than 500

Aircraft flown: F-16, C-12, T-38, HU-16, CM-170, X-62A, C-17, MiG-15, AC-130, F-15, CV-22, B-52, P-51 and NT-43

MAJOR AWARDS AND DECORATIONS

Air Force Meritorious Service Medal with three oak leaf clusters

Air Force Aerial Achievement Medal with two oak leaf clusters

Air Force Commendation Medal

Air Force Achievement Medal with oak leaf cluster

OTHER ACHIEVEMENTS

Education and Training Distinctions

- Distinguished Graduate, ROTC Detachment 805
- Distinguished Graduate, Air Force Institute of Technology
- Distinguished Graduate, U.S. Air Force Test Pilot School
- Distinguished Graduate, Squadron Officer School
- Distinguished Graduate, U.S. Naval War College
- Aaron C-DOT Award, U.S. Air Force Test Pilot School
- Onizuka Propwash Award, U.S. Air Force Test Pilot School
- Ray L. Jones Award, U.S. Air Force Test Pilot School
- Dean's Most Exceptional Thesis Award, Air Force Institute of Technology

Professional Recognition

- Kelly Johnson Award, Society of Flight Test Engineers
- "12 Under 12" Young Alumni Spotlight Award, Texas A&M University
- Young Alumni Award, Air Force Institute of Technology
- Eta Award for Innovation, Society of Experimental Test Pilots
- Rookie of the Year Award, National Air and Space Intelligence Center

EFFECTIVE DATES OF PROMOTION

- Second Lieutenant December 15, 2006
- First Lieutenant December 15, 2008
- Captain December 15, 2010
- Major December 1, 2016
- Lieutenant Colonel October 1, 2019
- Colonel March 1, 2024

[Current as of 1 April 2026]

