



# BIOGRAPHY

## UNITED STATES SPACE FORCE

### MAJOR SEAN R. KELLY

Maj Sean R. Kelly is assigned to Detachment 5, Air Force Operational Test and Evaluation Center, Edwards Air Force Base, CA. He is the effectiveness engineer for the KC-46, eT-7A, and VC-25B programs, responsible for preparing for, conducting, and reporting on operational tests.

Maj Kelly received his commission from the Reserve Officer Training Commissioning Program at the University of Pittsburgh in 2012 with a Bachelor of Science in Electrical Engineering. Maj Kelly began his career at Wright-Patterson AFB, OH where he produced scientific and technical intelligence at NASIC, and then completed a source selection at AFLCMC. Maj Kelly went on to oversee and maintain all launch infrastructure at Vandenberg AFB, CA and became the Mission Support Lead for nine Atlas V and Delta IV rocket launches. He was then selected as the Launch Mission Manager for the Delta IV Heavy NROL-71 mission, earning the Most Valuable Player for the campaign. He has deployed as an Acquisitions Air Advisor to the Iraqi Air Staff and as the Wing Executive Officer for the 332d Air Expeditionary Wing. Prior to this assignment, he studied Space Systems Engineering at AFIT, where his thesis proposed a reference architecture for CubeSat development that became the standard for future AFIT CubeSats.



### EDUCATION

- 2012 Bachelor of Science in Electrical Engineering, University of Pittsburgh, Pittsburgh, PA
- 2018 Squadron Officer School, Maxwell AFB, AL
- 2021 Master of Science in Space Systems Engineering, AFIT, Wright-Patterson AFB, OH
- 2022 Air Command and Staff College by correspondence (in-progress)

### ASSIGNMENTS

1. Sep 12 – Oct 14, Airborne Radar Analyst, National Air and Space Intelligence Center, Wright-Patterson AFB, OH
2. Oct 14 – Mar 16, Training Systems Engineer, Simulators Division Special Program Office, Wright-Patterson AFB, OH
3. Aug 15 – Feb 16, Air Advisor and Group Executive Officer, 370 AEAG, Baghdad, Iraq
4. Mar 16 – Feb 18, Chief of Systems, Infrastructure, and Facilities Engineering, 4<sup>th</sup> Space Launch Squadron, Vandenberg AFB, CA
5. Jul 17 – Feb 18, Wing Executive Officer, 332 AEW, Undisclosed Location, SE Asia
6. Feb 18 – Jan 19, NROL-71 Launch Mission Manager, 4<sup>th</sup> Space Launch Squadron, Vandenberg AFB, CA
7. Jan 19 – Aug 19, Flight Commander, Mission Support Flight, 4<sup>th</sup> Space Launch Squadron, Vandenberg AFB, CA
8. Aug 19 – Mar 2021, Graduate Student, Space Systems Engineering, Air Force Institute of Technology, Wright-Patterson AFB, OH
9. Apr 2021 – present, Ops Test Engineer, AFOTEC Det 5, Edwards AFB, CA

## **MAJOR AWARDS AND DECORATIONS**

Meritorious Service Medal  
Air Force Commendation Medal with one oak leaf cluster  
Air Force Achievement Medal  
Meritorious Unit Award with one oak leaf cluster  
Operation Inherent Resolve Campaign Medal

## **OTHER ACHIEVEMENTS**

2016 Air Force Space Command Launch Maintainer of the Year  
2017 General Charles A. Horner "Tiger" Award, 14 AF  
2018 Distinguished Graduate, Squadron Officer School  
2018 Outstanding Contributor, Squadron Officer School  
2019 General Charles A. Horner "Tiger" Award, 14 AF

## **PUBLICATIONS**

*"A Reference Architecture for Rapid CubeSat Development,"* Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio, 2021

## **EFFECTIVE DATES OF PROMOTION**

Second Lieutenant	May 2012
First Lieutenant	July 2014
Captain	July 2016
Major	Sep 2021

*(Current as of July 2021)*