

# Lee, Seung Hea

Major(s), Republic of Korea Air Force

22-80, Jangseungbaegi-ro 174beon-gil, Papyeong-myeon, Paju-si, Gyeonggi-do, Republic of Korea

Phone: +82-10-9258-5409

Email: seunghea.lee.rokaf@gmail.com

## RESEARCH INTERESTS

- Ergonomics/Process Design/System Modeling
- AI for Aviation
- Sensitivity Analysis
- Military Operations Research

## EDUCATION

**UNIVERSITY OF SUSSEX, Brighton, United Kingdom** **03/2022-**  
**03/2024**  
*Master of Science in Sustainable Development*

**KOREA AIR FORCE ACADEMY\*, Cheongju, Korea** **02/2011-**  
**02/2015**  
\*An educational institution for cadets, equivalent to the United States Air Force Academy (USAF)  
*Bachelor of Science in Military / Military Arts*

## SCHOLARSHIP

**FULL SCHOLARSHIP for Ph.D., Republic of Korea Air Force**  
**GRANTED(09/2025-)**

**MILITARY EXPERIENCE** **03/2011-Present**  
**AIR FORCE HEADQUARTERS, Gyeryong, Korea** **12/2022-Present**

*Protocol Officer, Secretary Office to the Chief of Staff(CSAF)*

- Facilitated communication and collaboration between senior Air Force leadership and external agencies to strengthen partnerships and achieve organizational goals.

**UN MISSION IN SOUTH SUDAN(UNMISS), South Sudan** **10/2020-10/2021**  
*Military Observer, UNMISS*

- Gathering intelligence through patrols and site visits, facilitating communication between conflicting parties, supporting humanitarian efforts.

**AIR FORCE SPECIAL MISSIONS WING, Seoul, Korea** **04/2016-09/2020, 01/2022-12/2022**  
*Flight Operations Officer, C-130 Aircraft Flight Crew, Special Operations Flight Squadron*

- Oversaw the daily and weekly scheduling and execution of flight operations for an entire flight wing.
- Managed and approved civilian flights in the vicinity of Air Base, conducting risk assessments and ensuring safety compliance.
- Led mission planning and execution for tactical flight operations, with a focus on low-level flying, ensuring precise route navigation and mission success.
- **Flight Information**  
Rating: Master Navigator  
Hours Flown: Over 1,000  
Aircrafts Flown: C-130H, T-103, KT-1

## Major Deployments

<i>Current Flight Operations Officer, U.S.-ROK Command Post Exercise</i>	Okinawa, Japan	08/2019
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<i>Airlift Package Lead, RF-Alaska(International Joint Exercise)</i>	Alaska, US	05/2019
<i>Cooperation Officer/Flight Crew, Humanitarian Disaster Relief Mission</i>	Palu, Indonesia	11/2018
<i>Mission Planning Officer/Flight Crew, RF-Alaska(International Joint Exercise)</i>	Alaska, US	10/2018

## **RESEARCH EXPERIENCE**

**KOREA AIR FORCE ACADEMY, Cheongju, Korea** 09/2014-02/2015  
*Undergraduate student* (Professors: Dr. Changboo Kang, Dr. Jung-sik Um)  
**Graduation Thesis:** “The Role of Propaganda in World War I”

## **PUBLICATION**

Lee, Y.S., **Lee, S.H.**, Lee, D.S. (2024). A Study on the Satellite Radio Analysis System for Jamming the Satellites of Neighboring Countries Threatening the Korean Peninsula. *Military Forum*, 118(0), 103-132. 06/2024

## **ACCOMPLISHMENTS**

### **QUALIFICATION CERTIFICATES**

Squadron Officer Course, Air University	09/2024
Female Military Officers Course, UN Women	07/2021
Specialized Training on UN Military Observer, Peacekeeping Operation Center	06/2020
Electronic Warfare Course, Tactical Flight Wing	06/2018
Instrument Pilot Instructor Course, Aviation Safety Agency	09/2017
Joint Force Coordinator Course, Tactical Air Control Group	07/2017

### **AWARDS**

Selected for Promotion from Captain to Major in 2024, ROK Air Force	08/2024
Service Achievement Citation(Airdrop Mission Support), Special Warfare Commander, ROK Army	12/2023
Service Achievement Citation (Overseas Mission), Joint Chiefs of Staff	10/2021
Service Achievement Citation(UN Mission), Sector Commander, UN Mission in South Sudan	09/2021
Service Achievement Award(Outstanding Performance in Flight), Chief of Staff, ROK Air Force	12/2019
Service Achievement Citation(International Exercise), Chief of Staff, ROK Air Force	02/2019
Service Achievement Citation(Aerospace Exhibition), Wing Commander Citation , ROK Air Force	12/2017

## **LANGUAGES & COMPUTER SKILLS**

### **LANGUAGES**

Korean(Native), English(Fluent), Spanish(Basic), Chinese(Basic)

### **COMPUTER SKILLS**

Programming Language: Python, R, HTML