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EDUCATION

Master of Science in Aerospace Engineering

Chosun University, Gwangju, Republic of Korea

Advisor: Assoc. Prof. Sunghun Jung, Department of Aerospace Engineering, Chosun University

Mar 2026

GPA: 4.5 / 4.5

Bachelor of Science in Smart Vehicle System Engineering

Chosun University, Gwangju, Republic of Korea

Feb 2025

GPA: 3.65 / 4.5

RESEARCH INTEREST

- Cooperative control and recovery of heterogeneous unmanned systems
- Resource-aware and disturbance-robust guidance, navigation, and control
- PX4-ROS 2-Gazebo-Simulink integration for autonomous unmanned systems

PUBLICATIONS (Journal, Non-KCI)

- **H. Myung**, J. Kang, and S. Jung, "Resource-Aware Supervisory Allocation Between APF and MPC for Embedded UAV Navigation," Space Note, vol.3, no.1, pp.20-31, Jun. 2026

PUBLICATIONS (Conference)

- J. Kang, **H. Myung**, W. Na, S. Kim, and S. Jung*, Cooperative Swarm Missions of Unmanned Aerial and Surface Vehicles, Poster Presented at the 2025 Korean Society for Aeronautical and Space Sciences (KSAS) Fall Conference, Gangwon, South Korea, Nov. 2025.

PATENTS

- S. Jung, E. Kim and **H. Myung**, Battery SOC Estimation System Based on Sage-Husa Extended Kalman Filter and Feedforward Neural Network (Under Review)