

Curriculum Vitae

Seong-Yong Kim

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EDUCATION

Dongguk University, Repulic of Korea

- *Ph.D. in Mechanical Engineering* Mar. 2024 - Present
Advisor: Prof. Soo-Chul Lim
- *M.S. in Mechanical Engineering* Sept. 2021 – Aug. 2023
Advisor: Prof. Soo-Chul Lim
Thesis : 3D Dynamic Object Grasping by 6-DoF Manipulator with Deep Reinforcement Learning
Cumulative GPA: 4.0/4.5
- *B.S. in Mechanical, Robotics, and Engineering* Mar. 2016 – Aug. 2021
Cumulative GPA: 3.69/4.5

RESEARCH INTEREST

- Robotics, Reinforcement Learning, Deep Learning, Dexterous Manipulation

PUBLICATIONS

- Seunghyeon Ha, **Seong-Yong Kim**, and Soo-Chul Lim, “Prediction of Delay-Free Scene for Quadruiped Robot Teleoperation: Integrating Delayed Data With User Commands”, IEEE Robotics and Automation Letters, vol. 10, no. 3, pp. 2846-2853, March 2025
- Jung-Hwan Yang, **Seong-Yong Kim**, and Soo-Chul Lim, “Effects of sensing tactile arrays, shear force, and proprioception of robot on texture recognition”, *Sensors* 2023, 23(6) 2023

RESEARCH ACTIVITY

- Dongguk University** 2021 – Present
- Development of Intelligent Autonomous Manipulation Technology for Humanoids with Reduced Dependency on Real-World Data 2025 - present
Sponsor : National Research Foundation of Korea
- Robot Motion Generation AI based on Multimodal Vision/Tactile Information Driven by Language Model 2025 - present

- Sponsor : National Research Foundation of Korea
- Collecting Large-scale Robot Manipulation Data in Physical Environment 2024 - 2024
Sponsor : National Information Society Agency
 - Development of a High-Performance Multimodal Electronic Skin Sensor of Hybrid-Type and Intelligent module for robot manipulation 2021 - 2023
Sponsor : Korea Ministry of Trade, Industry and Energy

Presentation

- Prediction of Delay-Free Scene for Quadruped Robot Teleoperation: Integrating Delayed Data With User Commands, *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*
- Multi-agent Reinforcement Learning for Catching Thrown Object using Pixel-wise Features, *Workshop in Robot Learning (KROS)*

Awards

- Best Paper Award, *2025 Summer Conference of BK21FOUR AIMS Center*