Dohyeok Lee Contact: dohyeoklee.kr@gmail.com

Personal Webpage: dohyeoklee.github.io update: 2024.01.02

EDUCATION

Seoul National University(SNU), Seoul, Korea
  Ph.D. Candidate in Electrical and Computer Engineering, Advisor: Jungwoo Lee
  Research topic: Robot Learning, RL, LfD
Seoul National University(SNU), Seoul, Korea
  M.S. in Electrical and Computer Engineering, 2024, Advisor: Jungwoo Lee
Korea Advanced Institute of Science and Technology(KAIST), Daejeon, Korea
  B.S. in Electrical Engineering, 2020

PUBLICATION &
CONFERENCE

[IC2] SPQR: Controlling Q-ensemble Independence with Spiked Random Model for Reinforcement Learning, **NeurIPS 2023**
  Author: **Dohyeok Lee**, Seungyub Han, Taehyun Cho, Jungwoo Lee

[D1] ARTificial Expressions: Human-Robot Interactive Drawing, **CVPR 2023 Demo (Best Demo Awarded)**
  Author: Yejin Kim, **Dohyeok Lee**

[IC1] Control of Furuta Pendulum with Reinforcement Learning, ICCAS 2019
  Author: **Dohyeok Lee**, Usama Mohammad, Dong Eui Chang

*IC: International Conference, *D: Demo

SELECTED
EXPERIENCE

[W] Part-time Engineer [5m] 07/2021 to 11/2021
  Zer01ne (Hyundai Motor Company)
  • Developing AR system integrating robot Spot with Unity, ROS (Web Link)
[W] Robotics Engineer [7m] 10/2020 to 04/2021
  D.Hive (start-up)
  • Developing autonomous delivery robot
[W] Robotics Engineer Intern [3m] 06/2019 to 08/2019
  Crazing Lab (start-up)
  • Developing autonomous filming robot
[DC] Isometric regularization for high-level actions on dynamic-aware embeddings
  KICS Winter Conference 2023
  • Author: Taehyun Cho, **Dohyeok Lee**, Jungwoo Lee
[O] Nonlinear controller (★19)
  • Implement nonlinear control (robust, adaptive, sliding mode) algorithms on two-arm manipulator simulator
[P] Autonomous Mobile Robot
  Microrobot Research, KAIST
  • Developing autonomous mobile robot with YOLO, Tmap API, GPS and compass sensor, etc.
[R] Project Intern [3m] 06/2018 to 08/2018
  Robotics and Computer Vision Lab, KAIST
  • Developing 3D box fitting algorithm for given point cloud data, collabolation with Hubo lab

*DC: Domestic Conference, *O: Open Source Contribution, *P: Personal Project, *W: Work Experience, *R: Research Project