

Youngwoon Lee

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Gwanak-gu, Seoul 08826, Korea

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CURRENT POSITIONS

Seoul National University <i>Assistant Professor</i> in Computer Science and Engineering	Sep 2026 - Present Seoul, Korea
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RESEARCH INTERESTS

My research goal is to enable autonomous agents to **learn long-horizon real-world tasks**, especially with **complex robotic systems** such as humanoid robots. I focus on developing scalable reinforcement learning frameworks that can leverage prior knowledge and diverse data sources. My research interests include deep reinforcement learning, skill learning, world modeling, and their applications to robotics.

EDUCATION

University of Southern California <i>Ph.D.</i> in Computer Science (Advisor: Joseph J. Lim) Thesis: “ <i>Scaling Robot Learning with Skills</i> ”	Aug 2017 - Dec 2022
Korea Advanced Institute of Science and Technology <i>M.S.</i> in Computer Science (Advisor: Sung-Eui Yoon) Thesis: “ <i>Quadra-Embedding: Binary Code Embedding with Low Quantization Error</i> ”	Feb 2011 - Feb 2013
Korea Advanced Institute of Science and Technology <i>B.S.</i> in Computer Science (Summa Cum Laude)	Feb 2007 - Feb 2011

WORK EXPERIENCE

Yonsei University <i>Assistant Professor</i> in Artificial Intelligence	Mar 2024 - Aug 2026 Seoul, Korea
University of California, Berkeley <i>Postdoctoral Scholar/Visiting PhD</i> (Advisor: Pieter Abbeel)	Aug 2022 - Feb 2024 Berkeley, CA
NAVER AI Lab <i>Research Intern</i>	Feb 2021 - Aug 2021 Seongnam, Korea
NVIDIA Research <i>Research Intern</i> (Mentor: Yuke Zhu , Anima Anandkumar)	May 2020 - Aug 2020 Santa Clara, CA
SKT T-Brain <i>Research Intern</i>	May 2018 - Aug 2018 Seoul, Korea
University of Southern California <i>Visiting Scholar</i> (Advisor: Joseph J. Lim)	Feb 2017 - Jul 2017 Los Angeles, CA
Electronics and Telecommunications Research Institute <i>Researcher</i> (alternative military service)	Mar 2013 - Jan 2017 Daejeon, Korea

HONORS AND AWARDS

Best Teaching Award	2026
Awarded annually to one faculty member in the Department of Artificial Intelligence, Yonsei University	
Okawa Foundation Research Grant	2025
Awarded to 8 faculty members in Korea and China in the fields of information and telecommunications (\$10K)	
NRF Outstanding Young Scientist Grant	2024
Awarded to roughly 600 early career researchers in Korea (\$200K for 5 years)	
IEEE ICRA Best Conference Paper Award	2024
For the paper “ <i>Open X-Embodiment: Robotic Learning Datasets and RT-X Models</i> ”	
RSS Best System Paper Award	2023
For the paper “ <i>FurnitureBench: Reproducible Real-World Benchmark for Long-Horizon Complex Manipulation</i> ”	
RSS Pioneer	2022
Awarded to 30 early-career researchers in robotics worldwide	
CoRL Best Paper Presentation Award	2020
For the paper “ <i>Accelerating Reinforcement Learning with Learned Skill Priors</i> ”	
Best Paper Award Runner-up at NeurIPS 2020 Workshop on Robot Learning	2020
For the paper “ <i>Accelerating Reinforcement Learning with Learned Skill Priors</i> ”	
USC Annenberg Fellowship	2017 - 2022
KFAS Overseas PhD Scholarship	2015 - 2016
Declined since USC was not supported	
KAIST CS Distinguished MS Thesis Award	2013
KFAS Graduate Student Scholarship	2011 - 2013
Awarded to roughly 10 graduate students in Korea	
<i>Honorable Mention, ACM-ICPC 2010 World Finals, Harbin</i>	2010
<i>1st Place, ACM-ICPC 2009-2010 Seoul Regional</i>	2009
Google Prize Scholarship	2009
<i>4^{9th} Place, ACM-ICPC 2009 World Finals, Stockholm</i>	2009
<i>5th Place, ACM-ICPC 2008-2009 Seoul Regional</i>	2008
KAIST Merit-based Scholarship	2008 - 2011
Awarded to four undergraduates in Computer Science	

CONFERENCE PAPERS

- [C33] Jisu Shin, Junoh Lee, JunGyu Lee, Inhwon Bae, Dohyeon Lee, Hokyun Im, **Youngwoon Lee**, and Hae-Gon Jeon. [ComPose: When to Trust Hands for Object Pose Tracking](#), *Conference on Neural Information Processing Systems (NeurIPS)*, 2026
- [C32] Gwanwoo Song, Kwanyoung Park, and **Youngwoon Lee**. [Chunk-Guided Q-Learning](#), *International Conference on Machine Learning (ICML)*, 2026

- [C31] Hokyun Im, Andrey Kolobov, Jianlong Fu, and **Youngwoon Lee**. [Latent Policy Steering through One-Step Flow Policies](#), *Robotics: Science and Systems (RSS)*, 2026
- [C30] Hokyun Im, Euijin Jeong, Andrey Kolobov, Jianlong Fu, and **Youngwoon Lee**. [TwinVLA: Data-Efficient Bimanual Manipulation with Twin Single-Arm Vision-Language-Action Models](#), *International Conference on Learning Representations (ICLR)*, 2026
- [C29] Kwanyoung Park, Seohong Park, **Youngwoon Lee**, and Sergey Levine. [Scalable Offline Model-Based RL with Action Chunking](#), *International Conference on Learning Representations (ICLR)*, 2026
- [C28] Hanjung Kim*, Jaehyun Kang*, Hyolim Kang, Meedeum Cho, Seon Joo Kim, and **Youngwoon Lee**. [UniSkill: Imitating Human Videos via Cross-Embodiment Skill Representations](#), *Conference on Robot Learning (CoRL)*, 2025
- [C27] Pranav Atreya*, Karl Pertsch*, Tony Lee*, ..., **Youngwoon Lee**, ..., and Sergey Levine. [RoboArena: Distributed Real-World Evaluation of Generalist Robot Policies](#), *Conference on Robot Learning (CoRL)*, 2025
Oral Presentation
- [C26] Kwanyoung Park and **Youngwoon Lee**. [Model-based Offline Reinforcement Learning with Lower Expectile Q-Learning](#), *International Conference on Learning Representations (ICLR)*, 2025
- [C25] Junik Bae, Kwanyoung Park, and **Youngwoon Lee**. [TLDR: Unsupervised Goal-Conditioned RL via Temporal Distance-Aware Representations](#), *Conference on Robot Learning (CoRL)*, 2024
- [C24] Carmelo Sferrazza, Younggyo Seo, Hao Liu, **Youngwoon Lee**, and Pieter Abbeel. [The Power of the Senses: Generalizable Manipulation from Vision and Touch through Masked Multimodal Learning](#), *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2024
- [C23] Carmelo Sferrazza, Dun-Ming Huang, Xingyu Lin, **Youngwoon Lee**, and Pieter Abbeel. [HumanoidBench: Simulated Humanoid Benchmark for Whole-Body Locomotion and Manipulation](#), *Robotics: Science and Systems (RSS)*, 2024
- [C22] Alexander Khazatsky*, Karl Pertsch*, ..., **Youngwoon Lee**, ..., and Chelsea Finn. [DROID: A Large-Scale In-The-Wild Robot Manipulation Dataset](#), *Robotics: Science and Systems (RSS)*, 2024
- [C21] Vint Lee, Pieter Abbeel, and **Youngwoon Lee**. [DreamSmooth: Improving Model-based Reinforcement Learning via Reward Smoothing](#), *International Conference on Learning Representations (ICLR)*, 2024
- [C20] Open X-Embodiment Collaboration et al.. [Open X-Embodiment: Robotic Learning Datasets and RT-X Models](#), *IEEE International Conference on Robotics and Automation (ICRA)*, 2024
Best Conference Paper Award
- [C19] Alejandro Escontrela*, Ademi Adeniji*, Wilson Yan*, Ajay Jain, Xue Bin Peng, Ken Goldberg, **Youngwoon Lee**, Danijar Hafner, and Pieter Abbeel. [Video Prediction Models as Rewards for Reinforcement Learning](#), *Conference on Neural Information Processing Systems (NeurIPS)*, 2023
- [C18] Amber Xie, **Youngwoon Lee**, Pieter Abbeel, and Stephen James. [Language-Conditioned Path Planning](#), *Conference on Robot Learning (CoRL)*, 2023
- [C17] Seohong Park, Kimin Lee, **Youngwoon Lee**, and Pieter Abbeel. [Controllability-Aware Unsupervised Skill Discovery](#), *International Conference on Machine Learning (ICML)*, 2023
- [C16] Minh Heo*, **Youngwoon Lee***, Doohyun Lee, and Joseph J. Lim. [FurnitureBench: Reproducible Real-World Benchmark for Long-Horizon Complex Manipulation](#), *Robotics: Science and Systems (RSS)*, 2023
Best System Paper Award
- [C15] Shivin Dass*, Karl Pertsch*, Hejia Zhang, **Youngwoon Lee**, Joseph J. Lim, and Stefanos Nikolaidis. [PATO: Policy Assisted TeleOperation for Scalable Robot Data Collection](#), *Robotics: Science and Systems (RSS)*, 2023

- [C14] Lucy X. Shi, Joseph J. Lim, and **Youngwoon Lee**. [Skill-based Model-based Reinforcement Learning](#), *Conference on Robot Learning (CoRL)*, 2022
- [C13] **Youngwoon Lee***, Andrew Szot*, Shao-Hua Sun, and Joseph J. Lim. [Generalizable Imitation Learning from Observation via Inferring Goal Proximity](#), *Conference on Neural Information Processing Systems (NeurIPS)*, 2021
- [C12] **Youngwoon Lee**, Joseph J. Lim, Anima Anandkumar, and Yuke Zhu. [Adversarial Skill Chaining for Long-Horizon Robot Manipulation via Terminal State Regularization](#), *Conference on Robot Learning (CoRL)*, 2021
- [C11] Karl Pertsch, **Youngwoon Lee**, Yue Wu, and Joseph J. Lim. [Demonstration-Guided Reinforcement Learning with Learned Skills](#), *Conference on Robot Learning (CoRL)*, 2021
- [C10] I-Chun Arthur Liu*, Shagun Uppal*, Gaurav S. Sukhatme, Joseph J. Lim, Peter Englert, and **Youngwoon Lee**. [Distilling Motion-Planner Augmented Policies into Visual Control Policies for Robot Manipulation](#), *Conference on Robot Learning (CoRL)*, 2021
- [C9] Grace Zhang, Linghan Zhong, **Youngwoon Lee**, and Joseph J. Lim. [Policy Transfer across Visual and Dynamics Domain Gaps via Iterative Grounding](#), *Robotics: Science and Systems (RSS)*, 2021
- [C8] **Youngwoon Lee**, Edward S. Hu, and Joseph J. Lim. [IKEA Furniture Assembly Environment for Long-Horizon Complex Manipulation Tasks](#), *IEEE International Conference on Robotics and Automation (ICRA)*, 2021
- [C7] Karl Pertsch, **Youngwoon Lee**, and Joseph J. Lim. [Accelerating Reinforcement Learning with Learned Skill Priors](#), *Conference on Robot Learning (CoRL)*, 2020
Plenary Talk, Best Paper Presentation Award
- [C6] Jun Yamada*, **Youngwoon Lee***, Gautam Salhotra, Karl Pertsch, Max Pflueger, Gaurav S. Sukhatme, Joseph J. Lim, and Peter Englert. [Motion Planner Augmented Reinforcement Learning for Robot Manipulation in Obstructed Environments](#), *Conference on Robot Learning (CoRL)*, 2020
- [C5] **Youngwoon Lee**, Jingyun Yang, and Joseph J. Lim. [Learning to Coordinate Manipulation Skills via Skill Behavior Diversification](#), *International Conference on Learning Representations (ICLR)*, 2020
- [C4] **Youngwoon Lee**, Edward S. Hu, Zhengyu Yang, and Joseph J. Lim. [To Follow or not to Follow: Selective Imitation Learning from Observations](#), *Conference on Robot Learning (CoRL)*, 2019
- [C3] **Youngwoon Lee***, Shao-Hua Sun*, Sriram Somasundaram, Edward S. Hu, and Joseph J. Lim. [Composing Complex Skills by Learning Transition Policies](#), *International Conference on Learning Representations (ICLR)*, 2019
- [C2] **Youngwoon Lee**, Jae-Pil Heo, and Sung-Eui Yoon. [Quadra-Embedding: Binary Code Embedding with Low Quantization Error](#), *Asian Conference on Computer Vision (ACCV)*, 2012
Oral Presentation
- [C1] Jae-Pil Heo, **Youngwoon Lee**, Junfeng He, Shih-Fu Chang, and Sung-Eui Yoon. [Spherical Hashing](#), *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2012

JOURNAL PAPERS

- [J3] Minh Heo*, **Youngwoon Lee***, Doohyun Lee, and Joseph J. Lim. [FurnitureBench: Reproducible Real-World Benchmark for Long-Horizon Complex Manipulation](#), *International Journal of Robotics Research (IJRR)*, 2024
- [J2] Jae-Pil Heo, **Youngwoon Lee**, Junfeng He, Shih-Fu Chang, and Sung-Eui Yoon. [Spherical Hashing: Binary Code Embedding with Hyperspheres](#), *IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)*, 2015
- [J1] **Youngwoon Lee**, Jae-Pil Heo, and Sung-Eui Yoon. [Quadra-Embedding: Binary Code Embedding with Low Quantization Error](#), *Computer Vision and Image Understanding (CVIU)*, 2014

TECHNICAL REPORTS

- [T4] Kyoungin Baik and **Youngwoon Lee**. [SimVLA: Zero-Shot Sim-to-Real VLA Learning for Mobile Manipulation](#), *arXiv preprint arXiv:2610.11248*, 2026
- [T3] Hyunjin Park, Jebeom Chae, Minwoo Park, Sunghyun Park, Hanjun Yoo, Seoyeon Choi, Soochul Yoo, Joohwan Seo, Sarmad Idrees, Jae-Sang Hyun, Jongmin Lee, Roberto Horowitz, **Youngwoon Lee**, and Jongeun Choi. [CoHuB: A Simulation Benchmark for Multi-Humanoid Collaboration](#), *arXiv preprint arXiv:2609.34782*, 2026
- [T2] Hyeonseong Jeon and **Youngwoon Lee**. [Recursive Value Learning for Long-Horizon Offline Goal-Conditioned RL](#), *arXiv preprint arXiv:2609.02237*, 2026
- [T1] Minwoo Cho, Woongchan Cho, and **Youngwoon Lee**. Humanoid Whole-Body Dexterity from Human-Object Interaction Priors, *In submission*, 2026

INVITED TALKS

Scaling Physical AI: Data, Inference, and Evaluation

- SNU IPAI Seminar (hosted by Prof. Jonghyun Choi) Sep 9, 2026

Teaching Humanoids Everyday Tasks

- Seoul National University (SNU), Invited talk May 15, 2026

Towards Teaching Robots Everyday Tasks

- Yonsei University, Guest lecture (hosted by Prof. Bongshin Lee) May 6, 2026
- Yonsei University, Guest lecture (hosted by Prof. Seong Jae Hwang) Apr 6, 2026
- LG Robotics Symposium, Invited talk Feb 5, 2026
- POSCO Tech Forum, Invited talk Nov 18, 2025
- Yonsei AI Club, Invited talk May 14, 2025
- Yonsei University, Guest lecture (hosted by Prof. Jinyoung Yeo) May 12, 2025
- Sogang University, Invited talk Apr 16, 2025
- KAIST, Guest lecture (hosted by Prof. Joseph J. Lim) Mar 18, 2025
- Ewha Womans University, IEIE Computer Vision Winter School Feb 18, 2025
- KRoC 2025, Early career keynote Feb 14, 2025
- LG Electronics, Invited talk Dec 12, 2024
- ETRI, Invited talk Dec 10, 2024
- Samsung, Invited talk June 26, 2024
- KIST, Invited talk June 25, 2024
- KAIST, Guest lecture (hosted by Prof. Kimin Lee) June 3, 2024
- Yonsei University, Guest lecture (hosted by Prof. Euntae Kim) May 2, 2024
- LG AI Research, Invited talk Apr 25, 2024
- Yonsei University, Guest lecture at College of Computing Mar 20, 2024

Introduction to Robot AI

- National Taiwan University, Guest lecture (hosted by Prof. Shao-Hua Sun) Dec 4, 2025
- Pusan University ARPA-H Grant Workshop, Invited talk (Prof. Min Jun Kim) Nov 21, 2025

- Korean Society of Computer Simulation Surgery (KSSiS) Symposium, Invited talk Nov 8, 2025
- Yonsei University, Guest lecture (hosted by Prof. Seong Jae Hwang) Oct 23, 2025
- Korean Society of Computer Simulation Surgery (KSSiS) Symposium, Invited talk July 12, 2025

A Gentle Introduction to Reinforcement Learning and Robot Learning

- Yonsei University, Invited talk at College of Computing Nov 1, 2023

Skill-based Robot Learning

- RSS @ KAIST Workshop, Invited talk July 18, 2023
- Korea University, Invited talk (hosted by Prof. Sungjoon Choi) July 17, 2023

Hierarchical Model-based Reinforcement Learning

- National Taiwan University, Guest lecture (hosted by Prof. Shao-Hua Sun) Nov 29, 2023
- Berkeley DeepDrive Retreat, Invited talk Mar 28, 2023

Scaling Robot Learning with Skills: Furniture Assembly and Beyond

- [CoRL Workshop on Learning Robotic Assembly](#), Invited talk Nov 9, 2024
- Hitachi, Sponsor talk Mar 13, 2023
- Yonsei University, Invited talk at College of Computing Feb 23, 2023
- Preferred Networks, Sponsor talk Feb 13, 2023
- Apple, Sponsor talk Jan 27, 2023
- Hong Kong Centre for Logistics Robotics (HKCLR) Symposium, Invited talk Dec 16, 2022
- EA, Sponsor talk Dec 8, 2022
- KAIST, Invited talk at SGVR lab (hosted by Prof. Sung-Eui Yoon) Aug 29, 2022
- Yonsei University, Faculty job talk Aug 22, 2022
- [Seoul National University, AI Summer School](#) Aug 1, 2022
- UC Berkeley, Postdoc job talk at Pieter Abbeel's lab June 22, 2022
- University of Pennsylvania, GRASP Student Faculty Industry (SFI) Seminar Series Apr 27, 2022

Hierarchical Reinforcement Learning with Attention Networks

- Kakao CSP Workshop June 28, 2018

TEACHING

Instructor

- SNU: Deep Reinforcement Learning Fall 2026
- Yonsei CAS4160: Reinforcement Learning Spring 2024-2026
- Yonsei AAI5015: Robot Learning Spring 2024-2026
- Yonsei CAS2105: Introduction to AI Research Fall 2024-2025
- KAIST HSS062: Freshman Cultural Activity (Korean Drum “Jang-gu”) Spring 2009, Fall 2009

Teaching Assistant

- USC CSCI566: Deep Learning and its Application (Joseph J. Lim) Fall 2019

- USC CSCI599: Deep Learning and its Application (Joseph J. Lim) Spring 2019
- USC CSCI599: Deep Learning and its Application (Joseph J. Lim) Fall 2017
- KAIST CS101: Introduction to Programming (Sue Moon) Fall 2012
- KAIST CS330: Introduction to Operating System (Insik Shin) Fall 2011
- KAIST CS206: Data Structure (Otfried Cheong) Spring 2011

Teaching Assistant, Korea Information Science Society

- International Olympiad in Informatics (IOI) Training Camp Summer 2008 - 2012

Instructor, Gyeonggi Province Office of Education

- Korea Olympiad in Informatics (KOI) Training Lectures Spring 2008 - 2011

STUDENT MENTORING

Ph.D. Students

- Minwoo Cho (Yonsei) Humanoid Robot Learning [T1]
- Gwanwoo Song (Yonsei) ICML 2026 [C32]
- Kyoungin Baik (Yonsei) Mobile Manipulation [T4]
- Meedeum Cho (Yonsei) CoRL 2025a [C28], CoRL 2025b [C27]
- Hokyun Im (Yonsei) ICLR 2026 [C30], RSS 2026 [C31], NeurIPS 2026 [C33]
- Hanjung Kim (Yonsei) CoRL 2025 [C28]
- Seohong Park (UC Berkeley) ICML 2023 [C17], ICLR 2026 [C29]
- Grace Zhang (USC) RSS 2021 [C9]

Master's Students

- Euijin Jeong (Yonsei) Robot Learning
- Jaehyun Kang (Yonsei → RLWLRD) CoRL 2025 [C28]
- Minho Heo (KAIST → Ph.D. student at KAIST) RSS 2023 [C16], RSS 2024 [C22]
- Doohyun Lee (KAIST → Ph.D. student at KAIST) RSS 2023 [C16]
- Zetai Yu (USC) IKEA Furniture Assembly Environment
- Shivin Dass (USC → Ph.D. student at UT Austin) RSS 2023 [C15]
- I-Chun Arthur Liu (USC → Ph.D. student at USC) CoRL 2021 [C10]

Undergraduate Students

- Hanjun Yoo (GIST) Multi-Humanoid Collaboration [T3]
- Zachary Tang (U of Toronto) Robot Learning
- Dohyeon Lee (Postech) NeurIPS 2026 [C33]
- Hyeonseong Jeon (SNU) Reinforcement Learning [T2]
- Woongchan Cho (SNU) Humanoid Robot Learning [T1]
- Hokyun Im (Yonsei → PhD student at Yonsei) ICLR 2026 [C30]
- Meedeum Cho (Yonsei → PhD student at Yonsei) CoRL 2025a [C28], CoRL 2025b [C27]
- Junik Bae (SNU → Master's student at Stanford) CoRL 2024 [C25]

- Kwanyoung Park (SNU → PhD student at UC Berkeley) ICLR 2025 [C26], CoRL 2024 [C25], ICLR 2026 [C29]
- Vint Lee (UC Berkeley → Technical staff at Amazon AGI Lab) ICLR 2024 [C21]
- Sungjae Park (SNU → Master’s student at CMU RI) RSS 2024 [C22]
- Amber Xie (UC Berkeley → Ph.D. student at Stanford) CoRL 2023 [C18]
- Lucy X. Shi (USC → Ph.D. student at Stanford) CoRL 2022 [C14]
- Linghan Zhong (USC → Ph.D. student at UT Austin) RSS 2021 [C9]
- Alex Yin (USC → Software engineer at XCOM Labs) ICRA 2021 [C8]
- Jingyun Yang (USC → Master’s student at CMU → Ph.D. student at Stanford) ICLR 2020 [C5]
- Zhengyu Yang (USC → Research engineer at Meta) CoRL 2019 [C4], ICRA 2021 [C8]
- Andrew Szot (USC → Ph.D. student at Georgia Tech → Apple) NeurIPS 2021 [C13]
- Edward S. Hu (USC → Ph.D. student at UPenn) ICLR 2019 [C3], CoRL 2019 [C4], ICRA 2021 [C8]
- Sriram Somasundaram (USC → Master’s student at Stanford) ICLR 2019 [C3]

Visiting Students

- Minjune Hwang (Yonsei → Ph.D. student at USC) Deep Reinforcement Learning
- Shagun Uppal (USC → Master’s student at CMU → Skild.AI) CoRL 2021 [C10]
- Jun Yamada (USC → Ph.D. student at Oxford → Amazon) CoRL 2020 [C6]

SERVICES

Conference Organizer and Service

- *Workshop Chair*, CoRL 2025
- *Session Chair*, RSS 2024

Workshop Organizer

- *Co-Organizer*, [Workshop on Whole-Body Control and Bimanual Manipulation: Applications in Humanoids and Beyond](#), RSS 2026
- *Co-Organizer*, [Lab-to-Production Workshop: Toward Industrial-Grade Perception and Manipulation](#), RSS 2026
- *Area Chair*, [RSS Pioneers Workshop](#), RSS 2026
- *Co-Organizer*, [Workshop on Generalist Policies in the Wild & Robo-Arena Challenge](#), CoRL 2025
- *Co-Organizer*, [Workshop on Whole-Body Control and Bimanual Manipulation: Applications in Humanoids and Beyond](#), RSS 2025
- *Co-Organizer*, [Workshop on Whole-Body Control and Bimanual Manipulation: Applications in Humanoids and Beyond](#), CoRL 2024
- *Local Chair*, [RSS Pioneers Workshop](#), RSS 2023
- *Co-Organizer*, [Workshop on Combining Learning and Motion Planning](#), IROS 2021

Area Chair (Associate Editor)

- NeurIPS, ICRA, ICLR, ICML, CoRL, RSS

Reviewer

- NeurIPS, ICLR, ICML, CoRL, RSS, T-RO, RA-L, ICRA, IROS, UAI, SIGGRAPH

Department Service

- Yonsei AI MS/PhD Admissions Committee, 2024-2025
- UC Berkeley EECS PhD Admissions Committee, 2022 - 2023

Problem Setter and Reviewer

- ACM-ICPC Korea Regional, 2010, 2014 - 2016
- Korea Olympiad in Informatics (KOI), 2008 - 2012, 2014 - 2015

PRESS COVERAGE

- [P1] [An IKEA furniture assembly environment to train robots on complex manipulation tasks](#), by Ingrid Fadelli, *Tech Xplore*, Dec 13, 2019.
- [P2] [Robots are learning to assemble IKEA furniture, and suddenly we love robots](#), by Benjamin Bullard, *SYFY*, Nov 24, 2019.
- [P3] [Why Robots Should Learn to Build Crappy Ikea Furniture](#), by Matt Simon, *WIRED*, Nov 22, 2019.
- [P4] [You wanted flying cars and colony worlds. Instead, IKEA furniture-building-ish AI robots](#), by Katyanna Quach, *The Register*, Nov 21, 2019.