Keon Hee Park

+8210 8581 2874 keonhee.park@vision.snu.ac.kr kearney Park

Education

Ph.D **Seoul National University, Republic of Korea**, Artificial Intelligence — Sep. 2025 to Current
- Vision and Learning Lab (Homepage)
- GPA: - / 4.3
- Advisor: Gunhee Kim

MS **Kyung Hee University, Republic of Korea**, Artificial Intelligence — Sep. 2023 to Aug. 2025
- AGI Lab (Homepage)
- GPA: 4.06 / 4.3
- Advisor: Gyeong-Moon Park

BS **Kyung Hee University, Republic of Korea**, Computer Science and Engineering — Mar. 2019 to Aug. 2023
- GPA: 3.22 / 4.3
- Advisor: Gyeong-Moon Park

RESEARCH KEYWORDS

Learning Method for Future AI

Continual Learning, Transfer Learning	Sep. 2022 to Current
Online Learning, Few-shot Learning	Apr. 2023 to Current
Domain Adaptation, Semantic Segmentation	Oct. 2023 to Current
Novel Category Discovery, Generalized Category Discovery	Jan. 2024 to Current
Open Set Learning, Object Detection	Feb. 2024 to Current
Multi-modality, World Models	Feb. 2026 to Current

Publications

International Conference Papers

[8] **Detecting Unknown Objects via Energy-based Separation for Open World Object Detection**
J.-W. Heo*, **K.-H. Park***, and G.-M. Park† (**Equal-Contribution**)
Computer Vision and Pattern Recognition (CVPR), Denver, U.S.A, Jun. **2026**
Manuscript (to do)

[7] **SFUOD: Source-Free Unknown Object Detection**
K.-H. Park, S.-A. Choe, and G.-M. Park†
International Conference on Computer Vision (ICCV), Hawaii, U.S.A, Oct. **2025**
Manuscript

[6] **Universal Domain Adaptation for Semantic Segmentation**
S.-A. Choe*, **K.-H. Park**, Jinwoo Choi, and G.-M. Park†
Computer Vision and Pattern Recognition (CVPR), Nashville, U.S.A, Jun. **2025**
Manuscript

[5] **CED: Comparing Embedding Differences for Detecting Out-of-Distribution and Hallucinated Text**
Hakyung Lee*, **K.-H. Park**, Hoyoon Byun, Jeyoon Yeom, Jihee Kim, G.-M. Park†, and Kyungwoo Song†
(Co-Corresponding)
Empirical Methods in Natural Language Processing (EMNLP) Findings, Miami, U.S.A, Nov. **2024**
Manuscript

[4] **Online Continuous Generalized Category Discovery**
K.-H. Park*, Hakyung Lee, Kyungwoo Song†, and G.-M. Park† (Co-Corresponding)
European Conference on Computer Vision (ECCV), Milan, Italy, Sept. **2024**
Manuscript

[3] **Pre-trained Vision and Language Transformers Are Few-Shot Incremental Learners**
K.-H. Park*, Kyungwoo Song†, and G.-M. Park† (Co-Corresponding)
Computer Vision and Pattern Recognition (CVPR), Seattle WA, USA, Jun. **2024**
Manuscript

[2] **Open Set Domain Adaptation for Semantic Segmentation**
S.-A. Choe*, A.-H. Shin*, ***K.-H. Park***, Jinwoo Choi†, and G.-M. Park†
Computer Vision and Pattern Recognition (CVPR), Seattle WA, USA, Jun. **2024**
Manuscript

[1] **Online Class Incremental Learning on Stochastic Blurry Task Boundary via Mask and Visual Prompt Tuning**
J.-Y. Moon*, ***K.-H. Park****, J.U. Kim†, and G.-M. Park† (**Equal-Contribution** and Co-Corresponding)
International Conference on Computer Vision (ICCV), Paris, France, Oct. **2023**
Manuscript

Domestic Conference Papers

[1] **Dynamic and Assistant Prompts for Class Incremental Learning**
M.-Y. Park*, ***K.-H. Park****, and G.-M. Park† (**Equal-Contribution**)
Korea Software Congress (KSC), Jeju Island, Republic of Korea, Dec. 2022
Manuscript

Patents

[4] G.-M. Park and **K.-H Park**
Continuous Learning Method for Category Classification and Computing Device for Performing the Same
(*Korean Patent Application (10-2024-0147851), Oct. 25, 2024.*)

[3] G.-M. Park, S.-A Choe, and **K.-H Park**
Learning method for unsupervised domain adaptation of a semantic segmentation model and computing device for performing the same
(*Korean Patent Application (10-2024-0067609), May. 24, 2024.*)

[2] G.-M. Park and **K.-H Park**
Few Shot Continuous Learning Method and Computing Device for Executing the Same
(*Korean Patent Application (10-2023-0145315), Oct. 27, 2023.*)

[1] G.-M. Park, **K.-H Park**, and J.-Y. Moon
Online Incremental Learning Method of Artificial Intelligence-based Classification Model and Computing Device for Performing the Same
(*Korean Patent Application (10-2023-0145630), Oct. 27, 2023.*)

References

Prof Gyeong-Moon Park — Kyung Hee University, Republic of Korea
Tel: +8231-201-3759
Email: gmpark@khu.ac.kr
Homepage: Artificial General Intelligence Lab

Prof Jinwoo Choi — Kyung Hee University, Republic of Korea
Tel: +8231-201-3758
Email: jinwoochoi@khu.ac.kr
Homepage: Vision and Learning Lab

Prof Kyungwoo Song — Yonsei University, Republic of Korea
Tel: +822-2123-2473
Email: kyungwoo.song@gmail.com
Homepage: Machine Learning and Artificial Intelligence Lab

Awards

Korea Software Congress (KSC), Jeju Island, Republic of Korea, Dec. 2022.

Academic Services

Conference Reviewer

[4] ACM International Conference on Multimedia (ACMMM' 25)

[3] Association for the Advancement of Artificial Intelligence 2025 (AAAI' 25)

[2] Neural Information Processing Systems 25 (NeurIPS' 25)

[1] Computer Vision and Pattern Recognition 2024 (CVPR' 24)

Teaching Assistant

CSE304: "Algorithm"

Sep. 2023 - Dec. 2023	Teaching Assistant	Kyung Hee University, Republic of Korea
Mar. 2024 - Jun. 2024	Teaching Assistant	Kyung Hee University, Republic of Korea

Work Experience

Intern

Jul 2022 - Aug 2022	KLleon	Seoul, Republic of Korea