

Eunki Cho

+82 10 5182 0491

cekkec@khu.ac.kr

Kyung Hee University, Yongin, Republic of Korea

AMILab

cekkec

EDUCATION

- PhD Kyung Hee University, Republic of Korea**, Department of Artificial Intelligence Mar. 2024 to Current
- AMI Lab ([Homepage](#))
 - Advisor: Seong Tae Kim
- MS Kyung Hee University, Republic of Korea**, Computer Science and Engineering Mar. 2022 to Feb. 2024
- AMI Lab ([Homepage](#))
 - GPA: 4.28 / 4.5
 - Advisor: Seong Tae Kim
- BS Hankyong National University, Republic of Korea**, Department of Electrical Engineering Mar. 2016 to Feb. 2022
- GPA: 3.51 / 4.5

RESEARCH KEYWORDS

Learning Method for Future AI

- | | |
|--|----------------------|
| Video Object Segmentation | Mar. 2022 to Current |
| Learning under Noisy Labels, Robust Training | Mar. 2023 to Current |
| Change Detection, Domain Adaptation | Feb. 2024 to Current |
| Surgical Instruments Segmentation, Phase Recognition | Feb. 2024 to Current |

PUBLICATIONS

International Journal Papers

Towards Holistic Surgical Scene Graph

Jongmin Shin[†], **Eunki Cho**[†], Ka Young Kim[†], Jung Yong Kim, Seong Tae Kim*, and Namkee Oh*

International Conference On Medical Image Computing & Computer Assisted Intervention (MICCAI), 2025

Manuscript [↗](#)

PRISM: Pseudo-labeling and Region-based Inpainting for Synthetic Change Detection Modeling

Eunki Cho, Soyoun Won, Oh Sung Choo, and Seong Tae Kim (Corresponding)

IEEE Geoscience and Remote Sensing Letters (GRSL), 2025

Manuscript [↗](#)

Spatial Mask-based Adaptive Robust Training for Video Object Segmentation with Noisy Labels

Eunki Cho, Jung Uk Kim, and Seong Tae Kim (Corresponding)

IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), 2025

Manuscript [↗](#)

Exploiting recollection effects for memory-based video object segmentation

Eunki Cho, Minkuk Kim, Hyung-Il Kim, Jinyoung Moon, and Seong Tae Kim (Co-Corresponding)

Image and Vision Computing (IMAVIS), 140, 2023

Manuscript [↗](#)

Research Experience

• New York University, New York

Visiting Scholar, Global AI Frontier Lab (Mar. 2025 – Aug. 2025)

Awards

1st Place, MICCAI 2024 PhaKIR Challenge, Surgical Instrument Instance Segmentation Category, Marrakech, Morocco, Oct. 2024.



PATENTS

[1] M. K. Kim, **Eunki Cho** J. U. Kim, and Seong Tae Kim
Deep neural network uncertainty prediction device and method
Korean Patent Application (10-2023-0110754), Aug. 23, 2023.

ACADEMIC SERVICES

Conference Reviewer - CVPR, ICCV, ECCV, NeurIPS
Journal Reviewer - IMAVIS, TCSVT

References

Advisor	Seong Tae Kim Tel: +82-31-201-3761 Email: st.kim@khu.ac.kr Homepage: Augmented Intelligence Lab 	Kyung Hee University, Republic of Korea
Prof	Jung Uk Kim Tel: +82-31-201-3768 Email: ju.kim@khu.ac.kr Homepage: Visual Artificial Intelligence Lab 	Kyung Hee University, Republic of Korea

SKILLS

Language Skills

Korean(native), English

Programming Skills

Python, C/C++, Linux

Deep Learning Libraries

PyTorch, TensorFlow