

Youngwook Kim

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Education

Seoul National University

Ph.D degree in Electrical and Computer Engineering

Seoul, South Korea

Mar. 2018 - Feb. 2024

Seoul National University

Bachelor's degree in Civil and Environmental Engineering

Seoul, South Korea

March. 2014 - Feb. 2018

Work Experience

Kookmin University

Assistant Professor in School of Artificial Intelligence, College of Computer Science

Seoul, South Korea

Sep. 2024 - Current

Seoul National University

Postdoc researcher in Electrical and Computer Engineering

Seoul, South Korea

Mar. 2024 - Aug. 2024

Research Interests

- Label efficient learning** Weakly-, Semi-, Self-supervised learning
Handling label issues Missing label, Noisy label
Multi-label learning Multi-label classification, Human-object interaction detection, Action recognition
Remote sensing Land-use/land-cover classification, Hyperspectral image recognition

Publications

- [1] **Youngwook Kim**, Sehwan Kim, Youngmin Ro, and Jungwoo Lee. "Instance-Dependent Multi-Label Noise Generation for Multi-Label Remote Sensing Image Classification". *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JSTARS)*, September, 2024. [\[Link\]](#)
- [2] **Youngwook Kim**, Jae Myung Kim, Jieun Jeong, Cordelia Schmid, Zeynep Akata, and Jungwoo Lee. "Bridging the Gap between Model Explanations in Partially Annotated Multi-label Classification". *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, June, 2023. [\[Link\]](#)
- [3] **Youngwook Kim***, Jae Myung Kim*, Zeynep Akata, and Jungwoo Lee. "Large Loss Matters in Weakly Supervised Multi-Label Classification". *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, June, 2022. [\[Link\]](#)

Research Projects

Development of Effective Learning Algorithms for Deep Learning Models in Multi-label Satellite Image Classification using Inaccurate Label Data

Seoul National University

Apr. 2024 - Aug. 2024

Gesture recognition deep learning model for marshalling aircraft application

The Boeing Company

Apr. 2019 - Mar. 2020

Volunteer Services

Conference reviewer

IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR),

IEEE/CVF International Conference on Computer Vision (ICCV),

European Conference on Computer Vision (ECCV)

Journal reviewer

IEEE Transactions on Multimedia