Youngwook Kim

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Education

Seoul National University *Seoul, South Korea*
Ph.D degree in Electrical and Computer Engineering Mar. 2018 - Feb. 2024

Seoul National University *Seoul, South Korea*
Bachelor's degree in Civil and Environmental Engineering March. 2014 - Feb. 2018

Work Experience

Kookmin University *Seoul, South Korea*
Assistant Professor in School of Artificial Intelligence, College of Computer Science Sep. 2024 - Current

Seoul National University *Seoul, South Korea*
Postdoc researcher in Electrical and Computer Engineering 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**, 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]

[2] **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