Youngwook Kim

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Education

Seoul National University   *Seoul, South Korea*
Postdoc researcher in Electrical and Computer Engineering   Mar. 2024 - Present

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

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 high-speed analysis of distributed large-scale data for wide usability of various industries
Ministry of Science and ICT   Apr. 2021 - Present

Gesture recognition deep learning model for marshalling aircraft application
The Boeing Company   Apr. 2019 - Mar. 2020

Prediction of liver cancer prognosis and discovery of prognostic factors through machine learning
Seoul National University Hospital   Mar. 2018 - Feb. 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