

Dongwon Kim

@ kdwon@postech.ac.kr | <https://kdwonn.github.io>
Cheongam-Ro 77, POSTECH, Pohang-Si, South Korea (37673)

EDUCATION

POSTECH

Integrated M.S. and Ph.D. in Computer Science and Engineering;

Pohang, South Korea

Sep 2019 – Mar 2025 (*Expected*)

- Supervised by [Prof. Suah Kwak](#) in the [Computer Vision Lab](#).
- Research interest: Computer vision, multi-modal learning, representation learning, metric learning

POSTECH

B.S. in Computer Science and Engineering;

Pohang, South Korea

Mar 2015 – Aug 2019

PUBLICATIONS

- [1] ***Shatter and Gather: Learning Referring Image Segmentation with Text Supervision*** | [arXiv](#)
Dongwon Kim*, Namyup Kim*, and Suha Kwak
IEEE/CVF International Conference on Computer Vision (ICCV), Oct 2023
- [2] ***Improving Cross-Modal Retrieval With Set of Diverse Embeddings*** | [arXiv](#)
Dongwon Kim, Namyup Kim, and Suha Kwak
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), Jun 2023
Highlight (Top 2.5% = 235/9155)
- [3] ***ReSTR: Convolution-Free Referring Image Segmentation Using Transformers*** | [arXiv](#)
Namyup Kim, **Dongwon Kim**, Cuiling Lan, Wenjun Zeng, and Suha Kwak
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), Jun 2022
- [4] ***Self-Taught Metric Learning Without Labels*** | [arXiv](#)
Sungyeon Kim, **Dongwon Kim**, Minsu Cho, and Suha Kwak
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), Jun 2022
- [5] ***Embedding Transfer With Label Relaxation for Improved Metric Learning*** | [arXiv](#)
Sungyeon Kim, **Dongwon Kim**, Minsu Cho, and Suha Kwak
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), Jun 2021
- [6] ***Proxy Anchor Loss for Deep Metric Learning*** | [arXiv](#)
Sungyeon Kim, **Dongwon Kim**, Minsu Cho, and Suha Kwak
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), Jun 2020

AWARDS & ACHIEVEMENTS

BK21 Best Paper Award, POSTECH GSAI, 2023

- Self-Taught Metric Learning without Labels (CVPR 2022)

Qualcomm Innovation Fellowship Winner, Qualcomm Korea Corp., 2022

- Self-Taught Metric Learning without Labels (CVPR 2022)
- ReSTR: Convolution-free Referring Image Segmentation Using Transformers (CVPR 2022)

NAVER × POSTECH AI DAY The 2nd and 3rd Prize, 2022

- ReSTR: Convolution-free Referring Image Segmentation Using Transformers (CVPR 2022)

Qualcomm Innovation Fellowship Winner, Qualcomm Korea Corp., 2021

- Embedding Transfer with Label Relaxation for Improved Metric Learning (CVPR 2021)

IPIU Best Paper Award, 2021

- Embedding Transfer with Label Relaxation for Improved Metric Learning (CVPR 2021)

National Science & Technology Scholarship, Korea Student Aid Foundation, 2017-2018

Jigok Scholarship, POSTECH, 2015-2016

PROFESSIONAL SERVICES

Reviewer, **IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)**: 2022, 2023

Reviewer, **IEEE/CVF International Conference on Computer Vision (ICCV)**: 2023

Reviewer, **IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)**: 2022, 2023

Reviewer, **European Conference on Computer Vision (ECCV)**: 2022

Reviewer, **Winter Conference on Applications of Computer Vision (WACV)**: 2023

Reviewer, **Asian Conference on Computer Vision (ACCV)**: 2022