Dongwon Kim

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Education

POSTECH Pohang, South Korea
Integrated M.S. and Ph.D. in Computer Science and Engineering; *Oct 2020 – Jun 2023 (Expected)*

- Supervised by Prof. Suah Kwak in the Computer Vision Lab.
- Research interest: Computer vision, Multi-Modal Learning, Representation Learning, Metric Learning

POSTECH Pohang, South Korea
B.S. in Computer Science and Engineering; *Mar 2015 – Aug 2019*

Publications

[1] ***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% among total submissions)

[2] ***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

[3] ***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

[4] ***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

[5] ***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