

## RESEARCH INTERESTS

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- Video Understanding and Processing
- Simulated Learning and Domain Adaptation
- Unsupervised and Self-supervised Learning

## RESEARCH EXPERIENCES

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<b>Adobe Research</b> (Remote) Research Intern, Deep Learning Group, Creative Intelligence Lab	San Jose, CA Apr.2021–Dec.2021
<b>Korea Advanced Institute of Science and Technology (KAIST)</b> Research Assistant, Robotics and Computer Vision Lab	Daejeon, Korea Mar.2018–Present

## EDUCATION

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<b>Korea Advanced Institute of Science and Technology (KAIST)</b> Ph.D. in Electrical Engineering Advisor: Prof. In So Kweon	Daejeon, Korea Sep.2019–Present
<b>Korea Advanced Institute of Science and Technology (KAIST)</b> M.S. in Electrical Engineering Advisor: Prof. In So Kweon – Thesis: “Learning unpaired video-to-video translation for domain adaptation”	Daejeon, Korea Mar.2018–Aug.2019
<b>Korea Advanced Institute of Science and Technology (KAIST)</b> B.S., double major in Mechanical Engineering and Electrical Engineering	Daejeon, Korea Mar.2013–Feb.2018

## PUBLICATIONS

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- Learning Classifiers of Prototypes and Reciprocal Points for Universal Domain Adaptation  
*Sungsu Hur, Inkyu Shin, **Kwanyong Park**, Sanghyun Woo, In So Kweon*  
Winter Conference on Applications of Computer Vision (WACV), 2023
- Self-supervised Monocular Depth Estimation from Thermal Images via Adversarial Multi-spectral Adaptation  
*Ukcheol Shin, **Kwanyong Park**, Byeong-Uk Lee, Kyunghyun Lee, In So Kweon*  
Winter Conference on Applications of Computer Vision (WACV), 2023
- A Unified Learning Framework for Large Vocabulary Video Object Detection  
*Sanghyun Woo, **Kwanyong Park**, Seoung Wug Oh, In So Kweon, Joon-Young Lee*  
European Conference on Computer Vision (ECCV), 2022
- Tracking by Associating Clips  
*Sanghyun Woo, **Kwanyong Park**, Seoung Wug Oh, In So Kweon, Joon-Young Lee*  
European Conference on Computer Vision (ECCV), 2022

- Per-Clip Video Object Segmentation  
**Kwanyong Park**, Sanghyun Woo, Seoung Wug Oh, In So Kweon, Joon-Young Lee  
Conference on Computer Vision and Pattern Recognition (CVPR), 2022
- Unsupervised Domain Adaptation for Video Semantic Segmentation  
**Kwanyong Park\***, Inkyu Shin\*, Sanghyun Woo, In So Kweon (\*: equal contributions)  
arXiv, 2021
- LabOR: Labeling Only if Required for Domain Adaptive Semantic Segmentation  
Inkyu Shin, Dong-Jin Kim, Jae Won Cho, Sanghyun Woo, **Kwanyong Park**, In So Kweon  
International Conference on Computer Vision (ICCV), 2021 (**Oral**)  
- Received Qualcomm Innovation Award 2021.
- Discover, Hallucinate, and Adapt: Open Compound Domain Adaptation for Semantic Segmentation  
**Kwanyong Park**, Sanghyun Woo, Inkyu Shin, In So Kweon  
Neural Information Processing Systems (NeurIPS), 2020  
- Received Qualcomm Innovation Award 2021.
- Align-and-Attend Network for Globally and Locally Coherent Video Inpainting  
Sanghyun Woo, Dahun Kim, **Kwanyong Park**, Joon-Young Lee, In So Kweon  
British Machine Vision Conference (BMVC), 2020
- Preserving Semantic and Temporal Consistency for Unpaired Video-to-Video Translation  
**Kwanyong Park**, Sanghyun Woo, Dahun Kim, Donghyeon Cho and In So Kweon  
ACM Multimedia (MM), 2019

## REVIEWER EXPERIENCES

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- Conference on Computer Vision and Pattern Recognition (CVPR): 2022
- European Conference on Computer Vision (ECCV): 2022
- Association for the Advancement of Artificial Intelligence (AAAI): 2023
- British Machine Vision Conference (BMVC): 2020,2021

## AWARDS & HONORS

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|---|-------------------|
| • Qualcomm Innovation Fellowship                | Nov.2021          |
| • KAIST Scholarship                             | Sep.2019–Present  |
| • SIGMM Student Travel Grants                   | Nov.2019          |
| • Korea Government Scholarship                  | Mar.2018–Aug.2019 |
| • Best M.S students, Eun Chong-Kwan Scholarship | Mar.2018          |

## TEACHING

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### Teaching Assistant at KAIST EE

- EE405 Electronics Design Lab.<Network of Smart Things> (Spring, 2019)
- EE209 Programming Structure for Electrical Engineering (Fall, 2018)
- EE305 Introduction to Electronics Design Lab. (Fall, 2018)

## COMPUTER SKILLS

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- **Language:** Python, Matlab, C
- **Libraries:** PyTorch

## REFERENCES

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**Prof. In So Kweon** (M.S. - Ph.D. advisor at KAIST)

KEPCO Chair Professor, School of Electrical Engineering, KAIST

Email: iskweon77@kaist.ac.kr

**Dr. Joon-Young Lee** (Internship mentor)

Senior Research Scientist, Adobe Research

Email: jolee@adobe.com

**Dr. Seoung Wug Oh** (Internship mentor)

Research Scientist, Adobe Research

Email: seoh@adobe.com