Sanghoon Lee

Seoul, Korea | sanghslee@gmail.com | https://sanghoooon.github.io/

Education

Ph.D. in Electrical & Electronic Engineering, Yonsei University — Mar 2019 – Present
- Computer Vision Lab (Advisor: Bumsub Ham)

B.S. in Electrical & Electronic Engineering, Yonsei University — Mar 2013 – Feb 2019

Publications

PLoPS: Localization-Aware Person Search with Prototypical Normalization
Sanghoon Lee, Youngmin Oh, Donghyeon Baek, Junghyup Lee, Bumsub Ham.
Pattern Recognition, 2024

Camera-driven Representation Learning for Unsupervised Domain Adaptive Person Re-identification
Geon Lee, **Sanghoon Lee**, Dohyung Kim, Younghoon Shin, Yongsang Yoon, Bumsub Ham.
ICCV, 2023

Decomposed Knowledge Distillation for Class-incremental Semantic Segmentation
Donghyeon Baek, Youngmin Oh, **Sanghoon Lee**, Junghyup Lee, Bumsub Ham.
NeurIPS, 2022

OIMNet++: Prototypical Normalization and Localization-aware Learning for Person Search
Sanghoon Lee, Youngmin Oh, Donghyeon Baek, Junghyup Lee, Bumsub Ham.
ECCV, 2022

Learning by Aligning: Visible-Infrared Person Re-identification using Cross-Modal Correspondences
Hyunjong Park*, **Sanghoon Lee***, Junghyup Lee, Bumsub Ham.
ICCV, 2021

HVPR: Hybrid Voxel-Point Representation for Single-stage 3D Object Detection
Jongyoun Noh, **Sanghoon Lee**, Bumsub Ham.
CVPR, 2021

Projects

AI for Self-Improving Competency-Aware Learning Capabilities — Jan 2024 – Present
- Funded by *IITP Korea*
- Co-lead the development of continual and open-vocabulary learning frameworks.

Generalizable Person Re-identification — Sep 2022 – Feb 2025
- Funded by *Hyundai Motor Group*
- Co-lead the development of domain adaptive and attribute-guided person re-identification networks.

Deep Identification and Tracking of Missing Person in Heterogeneous CCTV — Mar 2019 – Dec 2023
- Funded by *NRF Korea*
- Lead the development of person re-identification pipelines.

Skills

Programming: Python (PyTorch, Tensorflow), LaTeX, Git

Language: Korean (native), English (fluent)

Services

Reviewer: CVPR, NeurIPS, IJCV, IEEE TIP, IEEE TPAMI

Teaching: EEE4423 (Deep Learning Lab), EEE6503 (Computer Vision), EEE2020 (Data Structures & Algorithms)