Sanghoon **Lee**

PH.D CANDIDATE

✉ sanghslee@gmail.com | ⌂ https://sanghoooon.github.io/ | 🎓 Sanghoon Lee

Education

Yonsei University   *Seoul, S.Korea*

PH.D. IN ELECTICAL & ELECTRONIC ENGINEERING   *Feb. 2026 (Expected)*

- Computer Vision Lab (Advisor: Bumsub Ham)

Yonsei University   *Seoul, S.Korea*

B.S. IN ELECTICAL & ELECTRONIC ENGINEERING   *Feb. 2019*

Skills

Programming   Python (PyTorch, Tensorflow), LaTeX, Git
Dev Ops   Docker, AWS
Languages   Korean (native), English (fluent)

Publications

International Conference

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

International Journal

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

Projects

Development of AI for Self-Improving Competency-Aware Learning Capabilities   *IITP Korea*

TEAM CO-LEAD   *Jan. 2024 - PRESENT*

- Lead the development of continual learning and open-vocabulary pipeline.

Development of Generalizable Person Re-identification   *Hyundai Motor Group*

TEAM CO-LEAD   *Jan. 2024 - Mar. 2025*

- Lead the development of domain adaptive person re-identification framework.

Deep Identification and Tracking of Missing Person in Heterogeneous CCTV   *NRF Korea*

TEAM LEAD   *Mar. 2019 - Dec. 2023*

- Lead the development of person re-identification framework.

Services

Conference Reviewer   CVPR, NeurIPS
Journal Reviewer   IJCV, IEEE TIP, IEEE TPAMI