Sanghoon **Lee**

PH.D CANDIDATE

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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
Languages   Korean (native), English (fluent)

Publications

International Conference

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

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

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

- 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-LEADER   *Jan. 2024 - PRESENT*
- Lead the development of continual learning and open-vocabulary pipeline.

Development of Generalizable Person Re-identification   *Hyundai Motor Group*
TEAM CO-LEADER   *Jan. 2024 - PRESENT*
- Lead the development of continual learning pipeline.

Deep Identification and Tracking of Missing Person in Heterogeneous CCTV   *NRF Korea*
TEAM LEADER   *Mar. 2019 - Dec. 2023*
- Lead the development of person re-identification pipeline.

Services

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