

Seungwoo Lee

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Daejeon - 34184, South Korea

RESEARCH INTEREST

My research focuses on multimodal AI, with a particular interest in grounding physical properties in visual scenes, enabling AI systems to understand not only what objects look like, but also how they hear, feel, smell, and interact with the real world.

EDUCATION

- **Korea Advanced Institute of Science and Technology (KAIST)** Mar 2026 - Present
PhD in Electrical Engineering
◦ Advisor: Joon Son Chung Daejeon, South Korea
- **Korea Advanced Institute of Science and Technology (KAIST)** Mar 2024 - Feb 2026
MS in Electrical Engineering
◦ Advisor: Joon Son Chung Daejeon, South Korea
- **Korea Advanced Institute of Science and Technology (KAIST)** Mar 2017 - Feb 2024
BS in Electrical Engineering Daejeon, South Korea

PUBLICATIONS

C=CONFERENCE, J=JOURNAL, P=PATENT, S=IN SUBMISSION, T=THESIS

- [C.3] Seongyu Kim*, **Seungwoo Lee***, Hyeonggon Ryu, Joon Son Chung, Arda Senocak. [See & Sniff: Learning Visuo-Olfactory Representations](#). *European Conference on Computer Vision (ECCV)*, 2026.
- [C.2] Seongyu Kim, **Seungwoo Lee**, Hyeonggon Ryu, Joon Son Chung, Arda Senocak. [Seeing Through Touch: Tactile-Driven Visual Localization of Material Regions](#). *IEEE / CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2026.
- [C.1] Chaeyoung Jung, Youngjoon Jang, **Seungwoo Lee**, Joon Son Chung. [FastAV: Efficient Token Pruning for Audio-Visual Large Language Model Inference](#). *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, 2026.

* denotes equal contribution.

SKILLS

- **Programming Languages:** Python, Pytorch, L^AT_EX

TEACHING EXPERIENCE

- **Speech Recognition Systems (EE738/EE70038)** Spring 2025-2026
Teaching Assistant
- **Deep Learning for Visual Understanding (EE488/EE40034)** Fall 2024-2025
Teaching Assistant

ADDITIONAL INFORMATION

Languages: Korean (native), English (fluent)

REFERENCES

1. **Joon Son Chung**
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Korea Advanced Institute of Science and Technology (KAIST)
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Relationship: PhD advisor at KAIST