

Suhyeon Lee

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Update: October 15, 2026

RESEARCH INTERESTS

Generative models, Diffusion models, Video generation, Medical imaging, Inverse problems

EDUCATION

KAIST, Daejeon, Republic of Korea September 2024 — current (August 2028 expected)
Ph.D., Artificial Intelligence
Bioimaging, Signal Processing and Learning Lab (BiSPL)
Advisor: Jong Chul Ye

KAIST, Daejeon, Republic of Korea August 2022 — August 2024
M.S., Artificial Intelligence
Bioimaging, Signal Processing and Learning Lab (BiSPL)
Advisor: Jong Chul Ye

KAIST, Daejeon, Republic of Korea February 2018 — August 2022
B.S., Computer Science, Bio and Brain Engineering (double major) Summa Cum Laude (GPA: 4.13/4.3)

PUBLICATIONS

Conference

- Single-Step Bidirectional Unpaired Image Translation Using Implicit Bridge Consistency Distillation
 - **Suhyeon Lee***, Kwanyoung Kim* and Jong Chul Ye
 - *WACV* 2027
- InverseCrafter: Efficient Video ReCapture as a Latent Domain Inverse Problem
 - Yeobin Hong*, **Suhyeon Lee***, Hyungjin Chung, Jong Chul Ye
 - *ECCV* 2026
- Plug-and-Play Prompt Refinement via Latent Feedback for Diffusion Model Alignment
 - **Suhyeon Lee** and Jong Chul Ye
 - *CVPR* 2026
- Reangle-A-Video: 4D Video Generation as Video-to-Video Translation
 - Hyeonho Jeong*, **Suhyeon Lee*** and Jong Chul Ye
 - *ICCV* 2025
- LLM-CXR: Instruction-Finetuned LLM for CXR Image Understanding and Generation
 - **Suhyeon Lee***, Won Jun Kim*, Jinho Chang and Jong Chul Ye
 - *ICLR* 2024
- Don't Play Favorites: Minority Guidance for Diffusion Models
 - Soobin Um, **Suhyeon Lee** and Jong Chul Ye
 - *ICLR* 2024
- Decomposed Diffusion Sampler for Accelerating Large-Scale Inverse Problems
 - Hyungjin Chung, **Suhyeon Lee** and Jong Chul Ye
 - *ICLR* 2024
- Improving 3D Imaging with Pre-Trained Perpendicular 2D Diffusion Models
 - **Suhyeon Lee***, Hyungjin Chung*, Minyoung Park, Jonghyuk Park, Wi-Sun Ryu and Jong Chul Ye
 - *ICCV* 2023

RESEARCH INTERNSHIP

Adobe Research
London, United Kingdom

April 2026 — August 2026

NAVER Cloud (Generation Research, AI Lab)
Seongnam, Republic of Korea

August 2025 — February 2026

HONORS AND AWARDS

The Presidential Science Scholarship
Republic of Korea

March 2018 — February 2022

Dean's List
College of Engineering, KAIST

Fall 2019, Spring 2020, Fall 2020

REVIEWER

Conference

- ICLR 2025/2026/2027
- ECCV 2027
- WACV 2027
- AAAI 2026
- CVPR 2026
- ICCV 2025

Journal

- IEEE Transactions on Computational Imaging

TEACHING EXPERIENCE

Head TA, KAIST

- [AI502] Deep Learning Fall 2023

TA, KAIST

- [AI618] Generative Model and Unsupervised Learning Spring 2025 / Fall 2026
- [AI.93100/AI.93200] M.S/Ph.D. Seminar Spring 2026
- [AI619] AI for Medical Imaging and Signals Fall 2024
- [AI601] Advanced Machine Learning for AI Spring 2023

REFERENCES

Prof. Jong Chul Ye (Ph.D. advisor)
Professor, Kim Jaechul Graduate School of AI, KAIST, Daejeon, Republic of Korea
E-mail: jong.ye@kaist.ac.kr

August 2022 - current

Hyeonho Jeong (Research internship host - Adobe Research)
Research Scientist/Engineer, Adobe Research, London, United Kingdom
E-mail: hyeonhoj@adobe.com

April 2026 - August 2026