

Kyungjin Lee

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EDUCATION

Seoul National University

Seoul, Korea

Ph.D. in Computer Science and Engineering

Mar. 2021 -

M.S. in Electrical and Computer Engineering

Mar. 2018 - Feb. 2020

B.S. in Electrical and Computer Engineering

Mar. 2013 - Feb. 2018

SELECTED PUBLICATIONS

Ongoing

- Real-time Streaming System for Neural 3D Videos (On-device Mobile Computing)
- Security Attacks and Defense Mechanisms for Photorealistic Telepresence

Conference & Journal Papers

- [C8] Clustered Error Correction with Grouped 4D Gaussian Splatting
Taeho Kang, Jaeyeon Park, **Kyungjin Lee**, Youngki Lee
ACM SIGGRAPH Conference and Exhibition on Computer Graphics and Interactive Techniques in Asia 2025 (SIGGRAPH Asia'25).
- [C7] VoiceSeeker: Energy-Efficient and Accurate Audio–Visual Target Speaker Separation on Mobile Devices
Juheon Yi, **Kyungjin Lee**, Hyunseok Oh, Youngki Lee
IEEE Pervasive Computing 2025 (PerCom'25).
- [C6] Ego3DPose: Capturing the 3D Cues from Binocular Egocentric Views [\[PDF\]](#)
Taeho Kang, **Kyungjin Lee**, Jinrui Zhang, Youngki Lee
ACM SIGGRAPH Conference and Exhibition on Computer Graphics and Interactive Techniques in Asia 2023 (SIGGRAPH Asia'23).
- [C5] FarfetchFusion: Towards Fully Mobile Live 3D Telepresence Platform [\[PDF\]](#)
Kyungjin Lee, Juheon Yi, Youngki Lee
ACM International Conference on Mobile Computing and Networking 2023 (MobiCom'23).
- [C4] Bubbleu: Exploring Augmented Reality Game Design with Uncertain AI-based Interaction [\[PDF\]](#)
Minji Kim, **Kyungjin Lee**, Rajesh Balan, Youngki Lee
ACM Conference on Human Factors in Computing Systems 2023 (CHI'23).
- [C3] FlexPatch: Fast and Accurate Object Detection for On-device High-Resolution Live Video Analytics [\[PDF\]](#)
Kichang Yang, Juheon Yi, **Kyungjin Lee**, Youngki Lee
IEEE International Conference on Computer Communications 2022 (INFOCOM'22).
- [C2] GROOT: A Real-time Streaming System for High-Fidelity Volumetric Videos [\[PDF\]](#) [\[Code\]](#)
Kyungjin Lee, Juheon Yi, Youngki Lee, Sunghyun Choi, Young Min Kim
ACM International Conference on Mobile Computing and Networking 2020 (MobiCom'20).
- [C1] Sensor fusion in upper limb area networks: A survey [\[PDF\]](#)
Aaron Duivenvoorden*, **Kyungjin Lee***, Maxime Raison, Sofiane Achiche (* Co-primary)
Global Information Infrastructure and Networking Symposium 2017 (GIIS'17).

AWARDS & HONORS

Yulchon AI Stars Fellowship	2024
Google PhD Fellowship One of two recipients in Mobile Computing [Link]	2023
BK21 Best Graduate Student Award, Seoul National University Awarded to Top 2 Outstanding Students	2022

SKILLS

Languages Korean (native), English (bilingual)

Programming Python, C/C++, Swift, Objective-C/C++, CUDA, Metal, OpenCL

Tools Docker, Git

Frameworks Pytorch, Tensorflow