Jihyun Lee

Ph.D. Candidate
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EDUCATION

Aug. 2020 ~ **KAIST** Daejeon, South Korea
Integrated Master's & Ph.D in Computer Science
- Advisor: Dr. Tae-Kyun (T-K) Kim

Mar. 2017 ~ Aug. 2020 **Handong Global University** Pohang, South Korea
Bachelor of Science in Computer Science
- *Top Rank* in Computer Science and Electrical Engineering Department (GPA: 4.45 / 4.5)
- Early Graduation

RESEARCH INTEREST

Deep learning for 3D modeling of human bodies and hands

PUBLICATIONS

INTERNATIONAL CONFERENCES

[C1] **J. Lee**, M. Sung, H. Choi, T-K. Kim, "Im2Hands: Learning Attentive Implicit Representation of Interacting Two-Hand Shapes", **CVPR 2023**, Vancouver, Canada

[C2] **J. Lee***, M. Sung*, H. Kim, T-K. Kim, "Pop-Out Motion: 3D-Aware Image Deformation via Learning Shape Laplacian", **CVPR 2022**, New Orleans, United States (* equal contributions)

[C3] **J. Lee**, B. Bhattarai, T-K. Kim, "Face Parsing from RGB and Depth Using Cross-Domain Mutual Learning", **CVPR Workshops 2021** (IEEE AMFG), virtual – oral, 27% acceptance rate

[C4] M. Kang, **J. Lee**, S. Kim and I. Kim, "Fast DCTTS: Efficient Deep Convolutional Text-to-Speech", **ICASSP 2021**, Toronto, Canada

DOMESTIC CONFERENCES

[C5] D. Kim, H. Kim, **J. Lee**, J. Park, H. Kim, "Elimination of Grid Lines in the Object Boundary Area of X-ray Images", KCC 2019, Jeju, South Korea

[C6] **J. Lee**, J. Park, J. Seo and H. Kim, "A Dynamically Segmented DCT Technique for Grid Artifact Suppression in X-ray Images", KIPS 2018, Busan, South Korea

[C7] J. Jung, J. Park, **J. Lee**, G. Jung and H. Kim, "A Blocking Effect Reduction Technique for the Grid Line Suppression Method using DCT", KSC 2018, Pyeongchang, South Korea

DOMESTIC JOURNAL

[J1] H. Kim, J. Jung, **J. Lee**, J. Park, J. Seo, and H. Kim, "A Dynamically Segmented DCT Technique for Grid Artifact Suppression in X-ray Images", KTSDE, 8(4), 171-178 (2019)

PATENT

[P1] M. Kang, S. Kim, S. Kim, **J. Lee**, and I. Kim, "Method for Lightweight Speech Synthesis of End-to-End DCTTS (Deep Convolutional Text-To-Speech System)", KR Patent 10-2019-0, 157, 185

AWARDS (SELECTED)

Mayor's Award ($3,000), Korea Software Convergence Hackathon, Ministry of Science and ICT of Korea, 2019
- *Developed an automatic traffic light control system based on reinforcement learning*

Honorable Mention Award, Undergraduate Student Paper Competition, KSC, 2019

Honorable Mention Award, Undergraduate Student Paper Competition, KCC, 2019

Silver Prize, Undergraduate Student Paper Competition, KIPS, 2018

ACADEMIC ACTIVITIES

Reviewer CVPR (2023), Image and Vision Computing (2022), CVPRW (2021)

Student Organizer Google exploreCSR Workshops at KAIST (2022, 2023)

TEACHING EXPERIENCES

Teaching Assistant Artificial Intelligence and Machine Learning (CS570), KAIST, 2021 - 2023

Machine Learning for Computer Vision (CS492), KAIST, 2021 - 2022

Operating System (ECE30021), Handong Global University, 2020

C++ Programming (ECE20018), Handong Global University, 2019

Data Structure (ECE20010), Handong Global University, 2018

SCHOLARSHIPS (SELECTED)

National Science and Technology Scholarship (full tuition), Ministry of Science and ICT of Korea, 2019 - current

Academic Excellent Scholarship, Handong Global University, 2017 - 2020