Jihyun Lee

Ph.D. Candidate
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EDUCATION

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

Aug. 2020 ~ — **KAIST** — Daejeon, South Korea
Integrated Master's & Ph.D in Computer Science

- Advisor: Dr. Tae-Kyun (T-K) Kim

RESEARCH INTERESTS

- Deep learning for 3D vision for human understanding

CONFERENCES (INTERNATIONAL)

1. **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)
2. **J. Lee**, B. Bhattarai, T-K. Kim, "Face Parsing from RGB and Depth Using Cross-Domain Mutual Learning", **CVPR Workshops 2021**, virtual – 27% acceptance rate (AMFG 2021)
3. M. Kang, **J. Lee**, S. Kim and I. Kim, "Fast DCTTS: Efficient Deep Convolutional Text-to-Speech", **ICASSP 2021**, Toronto, Canada

PUBLICATIONS (DOMESTIC)

1. 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)

CONFERENCES (DOMESTIC)

1. **J. Lee**, J. Park, J. Seo and H. Kim, "A Dynamically Segmented DCT Technique for Grid Artifact Suppression in X-ray Images", KIPS Fall Conference 2018, Busan, Korea (2018)
2. 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, Korea (2018)
3. 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, Korea (2019)

PATENTS

1. 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)

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

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

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

2018 Silver Prize, Undergraduate Student Paper Competition, KIPS 2018

ACADEMIC ACTIVITIES

2022 Reviewer, CVPR

2022 Reviewer, Image and Vision Computing (Elsevier Journal)

2022 Student Organizer, Women Tech Stars (Google exploreCSR Workshop)

2021 Reviewer & Program Committee, CVPR Workshop (AMFG)

TEACHING EXPERIENCES

2021, 2022 Teaching Assistant, Artificial Intelligence and Machine Learning (CS570), KAIST

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

2020 Teaching Assistant, Operating System (ECE30021), Handong Global University

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

2018 Teaching Assistant, Data Structure (ECE20010), Handong Global University

SCHOLARSHIPS (SELECTED)

2019 ~ 2020 National Science and Technology Scholarship (full tuition), Ministry of Science and ICT of Korea

2017 ~ 2020 Academic Excellent Scholarship, Handong Global University, Korea