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 INTERESTS

- Deep learning for 3D modeling of humans and their parts (e.g., hands, faces)

PUBLICATIONS

Preprint

1. **J. Lee**, M. Sung, H. Choi, T-K. Kim, "Im2Hands: Learning Attentive Implicit Representation of Interacting Two-Hand Shapes", **CVPR 2023** submitted (initially received 2 weak accepts and 1 borderline).

International Conferences

2. **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)
3. **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
4. M. Kang, **J. Lee**, S. Kim and I. Kim, "Fast DCTTS: Efficient Deep Convolutional Text-to-Speech", **ICASSP 2021**, Toronto, Canada

Domestic Conferences

5. 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
6. **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
7. 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

8. 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)

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)

- **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, CVPRW, Image and Vision Computing (Elsevier Journal)

Organizer Google ExploreCSR Workshops at KAIST

TEACHING EXPERIENCES

- Teaching Assistant, Artificial Intelligence and Machine Learning (CS570), KAIST, 2021 - 2022
- Teaching Assistant, Machine Learning for Computer Vision (CS492), KAIST, 2021 - 2022
- Teaching Assistant, Operating System (ECE30021), Handong Global University, 2020
- Teaching Assistant, C++ Programming (ECE20018), Handong Global University, 2019
- Teaching Assistant, 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