Jihyun Lee

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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 ~	**Handong Global University**	Pohang, South Korea
Aug. 2020	*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

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 - Current	National Science and Technology Scholarship (full tuition), Ministry of Science and ICT of Korea
2017 - 2020	Academic Excellent Scholarship, Handong Global University, Korea