



Jiwan HUR

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EDUCATION

KAIST

Mar. 2023-

PH.D IN ELECTRICAL ENGINEERING

- GPA 3.7 / 4.3
- Advisor: Prof. Junmo Kim

KAIST

Mar. 2021-2023

M.S IN ELECTRICAL ENGINEERING

- GPA 4.0 / 4.3
- Advisor: Prof. Junmo Kim

DGIST

Mar. 2017-Feb. 2021

B.S IN SCHOOL OF UNDERGRADUATE STUDIES

- GPA 3.78 / 4.3

EXPERIENCE

POSTECH COMPUTER GRAPHICS LAB

Jan. 2020-Feb. 2020 / S.Korea

RESEARCH INTERN

RESEARCH INTEREST

Generative Models, Multi-modal Generation

Discrete Representation for Generative Models (Masked Generative Models, Visual Autoregressive Models)

Fine-tuning, Parameter-Efficient Fine-Tuning

PUBLICATION

UNLOCKING THE CAPABILITIES OF MASKED GENERATIVE MODELS FOR IMAGE SYNTHESIS VIA SELF-GUIDANCE

NeurIPS 2024

Authors: Jiwan Hur, Dong-Jae Lee, Gyojin Han, Jaehyun Choi, Yunho Jeon[†], and Junmo Kim[†]

Keywords: Image Synthesis, Discrete Diffusion Models, Non-autoregressive Sampling, Guidance

LEARNING NEURAL DEFORMATION REPRESENTATION FOR 4D DYNAMIC SHAPE GENERATION

ECCV 2024

Authors: Gyojin Han, Jiwan Hur, Jaehyun Choi, and Junmo Kim

Keywords: 4D Generation, Neural Deformation Representation, Diffusion Models

EXPANDING EXPRESSIVENESS OF DIFFUSION MODELS WITH LIMITED DATA VIA SELF-DISTILLATION BASED FINE-TUNING

WACV 2024

Authors: Jiwan Hur, Jaehyun Choi, Gyojin Han, Dong-Jae Lee, and Junmo Kim

Keywords: Diffusion Models, Limited Dataset, Text-Guided Image Translation, Domain Translation

DEEP CROSS-MODAL STEGANOGRAPHY USING NEURAL REPRESENTATIONS

ICIP 2023

Authors: Gyojin Han, Dong-Jae Lee, Jiwan Hur, Jaehyun Choi, and Junmo Kim

Keywords: Data Hiding, Cross-Modal Steganography, Implicit Neural Representation

MULTI-SCALE FOREGROUND-BACKGROUND SEPARATION FOR LIGHT FIELD DEPTH ESTIMATION WITH DEEP CONVOLUTIONAL NETWORKS

Pattern Recognition Letters 2023

Authors: Jae Young Lee, Jiwan Hur, Jaehyun Choi, Rae-Hong Park, and Junmo Kim

Keywords: Light-Field, Depth Estimation

A FRAMEWORK FOR REMOVING FOREGROUND OCCLUSION IN BOTH DENSE AND SPARSE LIGHT FIELD IMAGES

WACV 2023

Authors: Jiwan Hur*, Jae Young Lee*, Jaehyun Choi, and Junmo Kim

Keywords: Image Synthesis in Light-Field, De-Occlusion, Inpainting

(*) denotes equal contribution

SKILLS

PROGRAMMING Python, Pytorch, Tensorflow, Matlab

LANGUAGES Korean, English