Suyoung Lee

Curriculum Vitae

Contact Information

Affiliation:	Department of ECE, ASRI, Seoul National University, Seoul, Korea
Address:	133-508, 1 Gwanak-Ro, Gwanak-Gu, Seoul, Korea (08826)
Email:	esw0116@snu.ac.kr, esw0116@gmail.com
Homepage:	`https://esw0116.github.io/`
Github:	`https://github.com/esw0116`
Google scholar:	link

Research Interests

I am interested in deep learning applications for computer vision problems. At the early stage of my research life, my prior interest was low-level vision, such as image and video restoration and video frame interpolation. Nowadays, I am interested in accurate and high-quality 3D reconstruction.

Education

Seoul National University (SNU), Seoul, Korea Mar. 2019 - Present
Integrated M.Sc./Ph.D. course in Electric and Computer Engineering
GPA: 4.27 / 4.30 (60 credits in Ph.D. Course of Electrical and Computer Engineering)
Advisor: Prof. Kyoung Mu Lee

Seoul National University (SNU), Seoul, Korea Mar. 2013 - Feb. 2019
B.Sc. in Electric and Computer Engineering
Summa cum laude, GPA: 4.18/4.30 (136 credits in Electrical and Computer Engineering)
Leave for military service (Korea Airforce): Mar. 2015 - Mar. 2017 (24 months)

Gyeonggi Science High School, Suwon, Korea Mar. 2010 - Feb. 2013

Publications

- **Suyoung Lee***, Jaeyoung Chung*, Jaeyoo Huh, and Kyoung Mu Lee, "ODGS: 3D Scene Reconstruction from Omnidirectional Images with 3D Gaussian Splattings," in Proceedings of Neural Information Processing Systems (**NeurIPS**), 2024.
- Jaeyoung Chung*, **Suyoung Lee***, Hyeongjin Nam, Jaerin Lee, and Kyoung Mu Lee, "LucidDreamer: Domain-free Generation of 3D Gaussian Splatting Scenes," *arXiv preprint*, arXiv:2311.13384, 2023. [1]
- Myungsub Choi, **Suyoung Lee**, Heewon Kim, and Kyoung Mu Lee, "Motion-aware dynamic architecture for efficient frame interpolation," in Proceedings of the IEEE/CVF International Conference on Computer Vision (**ICCV**), 2021.

[1] * indicates equal contribution

- Sanghyun Son, **Suyoung Lee**, Seungjun Nah, Radu Timofte, and Kyoung Mu Lee, "NTIRE 2021 challenge on video super-resolution," in Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**) Workshop, 2021.
- Seungjun Nah, Sanghyun Son, **Suyoung Lee**, Radu Timofte, and Kyoung Mu Lee, "NTIRE 2021 challenge on image deblurring," in Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**) Workshop, 2021.
- **Suyoung Lee**, Myungsub Choi, and Kyoung Mu Lee, "DynaVSR: Dynamic Adaptive Blind Video Super-Resolution," in Proceedings of the IEEE/CVF Winter Conference on Applications of Computer Vision (**WACV**), 2021.

Service

- **Workshop Challenge Co-organizer @ CVPR 2021** Jun. 2021
  NTIRE 2021 Challenge on Image Deblurring and Video Super-Resolution
- **Conference Reviewer**
  ECCV 2024, CVPR 2024, ICCV 2023, CVPR 2023, WACV 2023.

Scholarships

- **Electrical Engineering and Computer Science Graduate Student program**, 2019-2023
  Korea Foundation for Advanced Studies
- **National Scholarship for Science & Engineering** 2013-2018
  Korea Student Aid Foundation

Skills

PyTorch, Python, C++, MATLAB, LaTeX

References

Advisor Kyoung Mu Lee
Distinguished Professor
Seoul National University
kyoungmu@snu.ac.kr
https://cv.snu.ac.kr/index.php/kmlee