





Apr 2023

May 2022

SF

Neural-PBIR Reconstruction of Shape, Material, and Illumination	ICCV 2023
Cheng Sun*, Guangyan Cai*, Zhengqin Li, Kai Yan, Cheng Zhang, Carl Marshall, Jia-Bin Huang, Shuang Zhao, Zhao Dong Hashing Neural Video Decomposition with Multiplicative Residuals in Space-Time Cheng-Hung Chan, Cheng-Yang Yuan, Cheng Sun, Hwann-Tzong Chen	ong [Paper], [Code
	<i>ICCV</i> 2023 [Paper], [Code]
Ping-Chung Yu, Cheng Sun, Min Sun	[Paper], [Code]
Multiview Regenerative Morphing with Dual Flows	ECCV 2022
Chih-Jung Tsai, Cheng Sun, Hwann-Tzong Chen	[Paper], [Code], [Project page
Direct Voxel Grid Optimization: Super-fast Convergence for Radiance Fields Recons	struction CVPR 2022 (oral,
Cheng Sun, Min Sun, Hwann-Tzong Chen	[Paper], [Code], [Project page
3D scene reconstruction from multiple images. Achieved state-of-the-art quality with more optimization time (10–20+ hrs to 5 mins per scene).	re than 100 times speedup in
Specialize and Fuse: Pyramid Output Representation for Semantic Segmentation	ICCV 2021
Chi-Wei Hsiao*, Cheng Sun*, Hwann-Tzong Chen, Min Sun	[Paper]
HoHoNet: 360 Indoor Holistic Understanding with Latent Horizontal Features	CVPR 2021
Cheng Sun, Min Sun, Hwann-Tzong Chen	[Paper], [Code]
Indoor Panorama Planar 3D Reconstruction via Divide and Conquer	CVPR 2021 (oral)
Cheng Sun, Chi-Wei Hsiao, Ning-Hsu Wang, Min Sun, Hwann-Tzong Chen	[Paper], [Code]
HorizonNet: Learning Room Layout with 1D Representation and Pano Stretch Data	Augmentation CVPR 2019
Cheng Sun, Chi-Wei Hsiao, Min Sun, Hwann-Tzong Chen	[Paper], [Code]
Room layout reconstruction from a 360 image. Proposed a novel layout format which nov in this task.	w have been widely adopted
DUCATION	
National Tsing Hua University	Sep 2018 - Aug 2023
Ph.D. in Institute of Information System and Application Advisors: Prof. Hwann-Tzong Chen and Prof. Min Sun.	GPA: 4.28 / 4.3
National Chiao Tung University	Aug 2014 - Jan 2018
B.S. in Computer Science	GPA: 3.87 / 4.0
XPERIENCE	
Research Scientist, NVIDIA Research Taiwan	Oct 2023 - now
Computer Vision Research Intern, Aeolus Robotics	Feb 2023 - Aug 2023
Research Scientist Intern, Meta Reality Labs	June 2022 - Dec 2022
Dhi Tau Dhi Sahalastia Hanan Sasiaty Hananany Mambarshin	4 mm 2022

ASUS Intelligent Cloud Services (AICS) Ph.D. Scholarship Sep 2020 - Apr 2022

Phi Tau Phi Scholastic Honor Society Honorary Membership

Google Conference Scholarships

Novatek M.S. Scholarship Aug 2019 - July 2020