Huan LEI

Homepage: htt	ps://huanlei.xyz/	
GitHub: https	://github.com/EnyaHermite/	
Email: huan.le	ei@adelaide.edu.au; dr.huanlei@gmail.com	
Google Scholar: https://scholar.google.com.au/citations?user=FUzk-VkAAAAJ&hl=en		
Institution: Australian Institute for Machine Learning, The University of Adelaide		
Address: Corner	Frome Road and, North Terrace, Adelaide SA 5000, Australia	
RESEARCH	Neural Fields for SDF and NeRF; Geometric deep learning for 3D Vision+Graphics; Shape	
INTERESTS	analysis and 3D scene parsing; Self-supervised learning.	
AWARDS	ACS WA 1962 Medal Finalist for <i>outstanding PhD thesis</i> , 2022. Australian Government Research Training Program (AGRTP), 2017 – 2021.	
EDUCATION	The University of Western Australia	Douth WA
EDUCATION	The University of Western Australia	Perul, wA
	PhD in Computer Science and Software Engineering	Aug/2017 - Aug/2021
	Advisors: Prof. Ajmal Mian; Dr. Naveed Akhtar.	
ACADEMIC	Australian Institute for Machine Learning	Adelaide SA
FXPERIENCE	Computational Mesh Modelling	$\Delta nril/2023 - now$
EATERIERCE	computational wesh would mig	April/2025 – now
	The Australian National University	Canberra, ACT
	Neural Fields for Surface Reconstruction	Feb/2022 – March/2023
	The University of Western Australia	Perth, WA
	Geometric feature learning on meshes	Aug/2021 – Dec/2021
PREPRINTS	 Huan LEI, Naveed Akhtar, Mubarak Shah, Ajmal Mian. Geometric Feature Learning for 3D Meshes. arXiv preprint arXiv:2112.01801, 2021. Huan LEI, Naveed Akhtar, and Ajmal Mian. Spherical convolutional neural network for 3D point clouds. arXiv preprint arXiv:1805.07872, 2018. 	
DUBLICATIONS	[1] Huan I FI Naveed Akhtar Muharak Shah Aimal Mian Mesh Convolution with Continuous	
IUDLICATIONS	Filters for 3D Surface Parsing. TNNLS , 2023. [paper], [code]. [2] Huan LEI , Ruitao Leng, Liang Zheng, Hongdong Li, CircNet: Meshing 3D Point Clouds	
	with Circumcenter Detection. ICLR , 2023. [paper], [code].	
	[3] Huan LEI, Naveed Akhtar, Ajmal Mian. Picasso: A CUDA-based Library for Deep Learn-	
	ing over 3D Meshes, CVPR, 2021. [paper], [code].	
	[4] Huan LEI, Naveed Akhtar, Ajmal Mian. SegGCN: Efficient 3D Point Cloud Segmentation	
	with Fuzzy Spherical Kernel, CVPR, 2020. [paper], [code].	
	[5] Huan LEI, Naveed Akhtar, Ajmal Mian. Spherical Kernel for Efficient Graph Convolution	
	on 3D Point Clouds, TPAMI, March 2020. [paper], [code].	
	[6] Huan LEI, Naveed Akhtar, Ajmal Mian. Octree guided CNN with Spherical Kernels for 3D	
	Point Clouds, CVPR, 2019. [paper], [code].	
	[7] Huan LEI, Guang Jiang, Long Quan. Fast Descriptors and Correspondence Propagation for	
	Robust Global Point Cloud Registration, TIP, 2017. [paper], [code	e].
TRADUCT		
TECHNICAL	Programming: CUDA C, Python, C/C++, MATLAB (with mex)	
SKILLS	Libraries: Iensorflow, Pytorch, Open3D, OpenCV, PCL.	
SERVICES	Reviewer for CVPR, TPAMI, TNNLS, TIP, TVCG.	