The Chinese University of Hong Kong
Shun Hing Institute of Advanced Engineering
List of Publications Arising from SHIAE Supported Projects
(Batch 2021)

Project code	Publication	
MMT-p2-21 Prof. Chi Wing FU (CSE)	[1]	[1] Zheng, W., Hong, M., Jiang, L., and Fu, C.-W., "Boosting 3D Object Detection by Simulating Multimodality on Point Clouds", IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2022. (Oral)
	[2]	[2] Chu, R., Ye, X., Liu, Z., Tan, X., Qi, X., Fu, C.-W., and Jia, J., "TWIST: Two-Way Inter-label Self-Training for Semi-supervised 3D Instance Segmentation", IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2022.
	[3]	[3] Zheng, W., Jiang, L., Lu, F., Ye, Y., and Fu, C.-W., "Boosting Single-Frame 3D Object Detection by Simulating Multi-Frame Point Clouds", Submitted to ACM Multimedia, now under review.
	[4]	[4] Wang, T., Hu., X and Fu, C.-W., "Sparse2Dense: Learn to Densify 3D Features to Boost 3D Object Detection", To submit to NeurIPS 2022.
	[5]	[5] Wang, T., Hu., X., Heng, P.-A and Fu, C.-W., "Instance Shadow Detection with A Single-Stage Detector", Resubmitted to IEEE T-PAMI (major revision), now under second review.
RNE-p2-21 Prof. Xu SONG (MAE)	[1]	1.Qu S, Ding J, Fu J, Fu M, Zhang B, Song X, "High-precision laser powder bed fusion processing of pure copper," Additive Manufacturing, 48:102417, 2021
	[2]	2.Fu J, Li H, Song X, Fu MW, "Multi-scale defects in powder-based additively manufactured metals and alloys," Journal of Materials Science & Technology,122:165-199, 2022
BME-p1-21 Prof. Hongliang REN (EE)	[1]	C[1] Xu, Mengya, Mobarakol Islam, Chwee Ming Lim, and Hongliang Ren*. "Class-Incremental Domain Adaptation with Smoothing and Calibration for Surgical Report Generation." In International Conference on Medical Image Computing and Computer-Assisted Intervention, pp. 269-278. Springer, Cham, 2021. (*Corresponding author)
	[2]	J[1] Li, Ling, Xiaojian Li*, Shuai Ding, Zhao Fang, Mengya Xu, Hongliang Ren*, and Shanlin Yang. "SIRNet: Fine-Grained Surgical Interaction Recognition." IEEE Robotics and Automation Letters 7, no. 2 (2022): 4212-4219. (*Corresponding author)
Last Updated: 15 July 2022		